

REMOVING - REFITTING : REAR DOOR WINDOW

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

Glazing tools ⓘ .

Glazing consumables ⓘ .

ESSENTIAL : Gloves and protective goggles must be worn for the following operations.

2. Removing

Remove the rear wiper motor ⓘ (according to equipment).

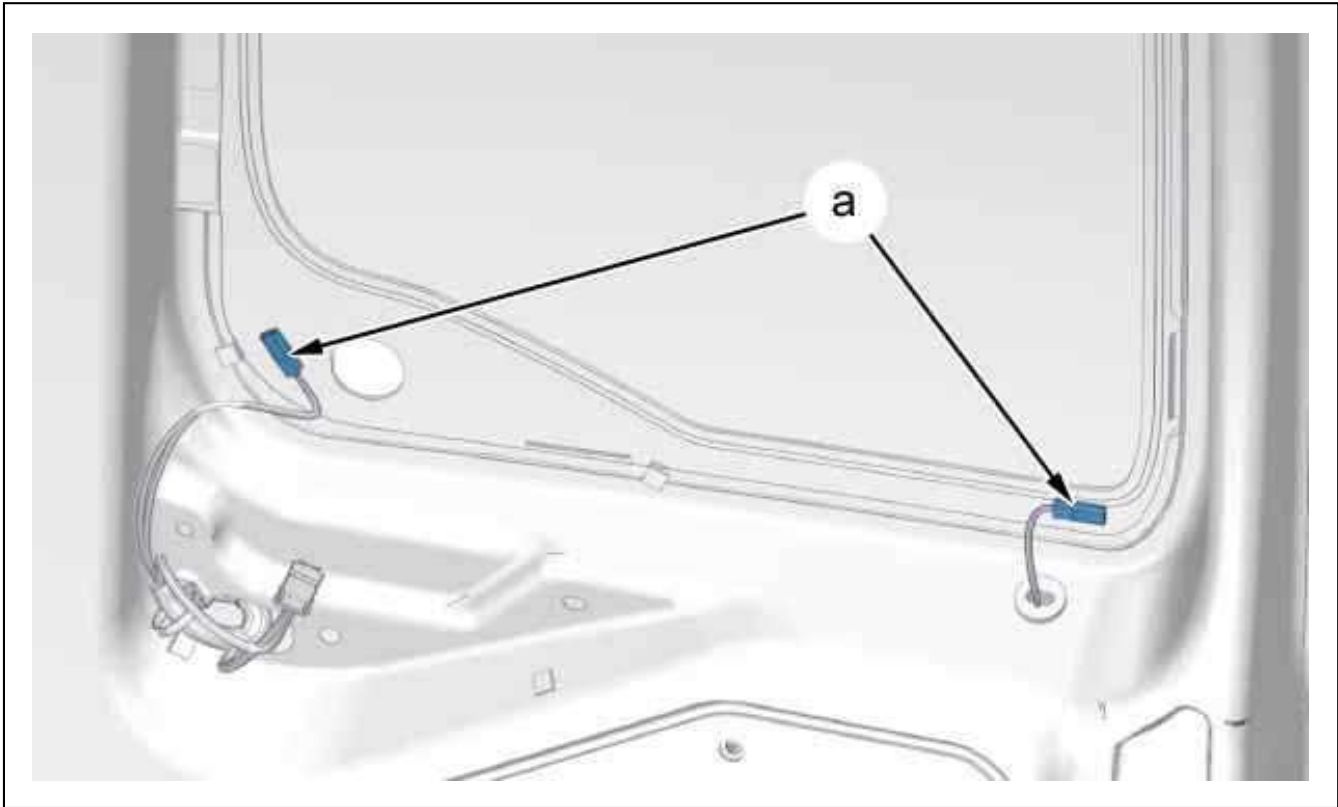


Figure : C4BG0RUD

Disconnect the connectors (at "a").

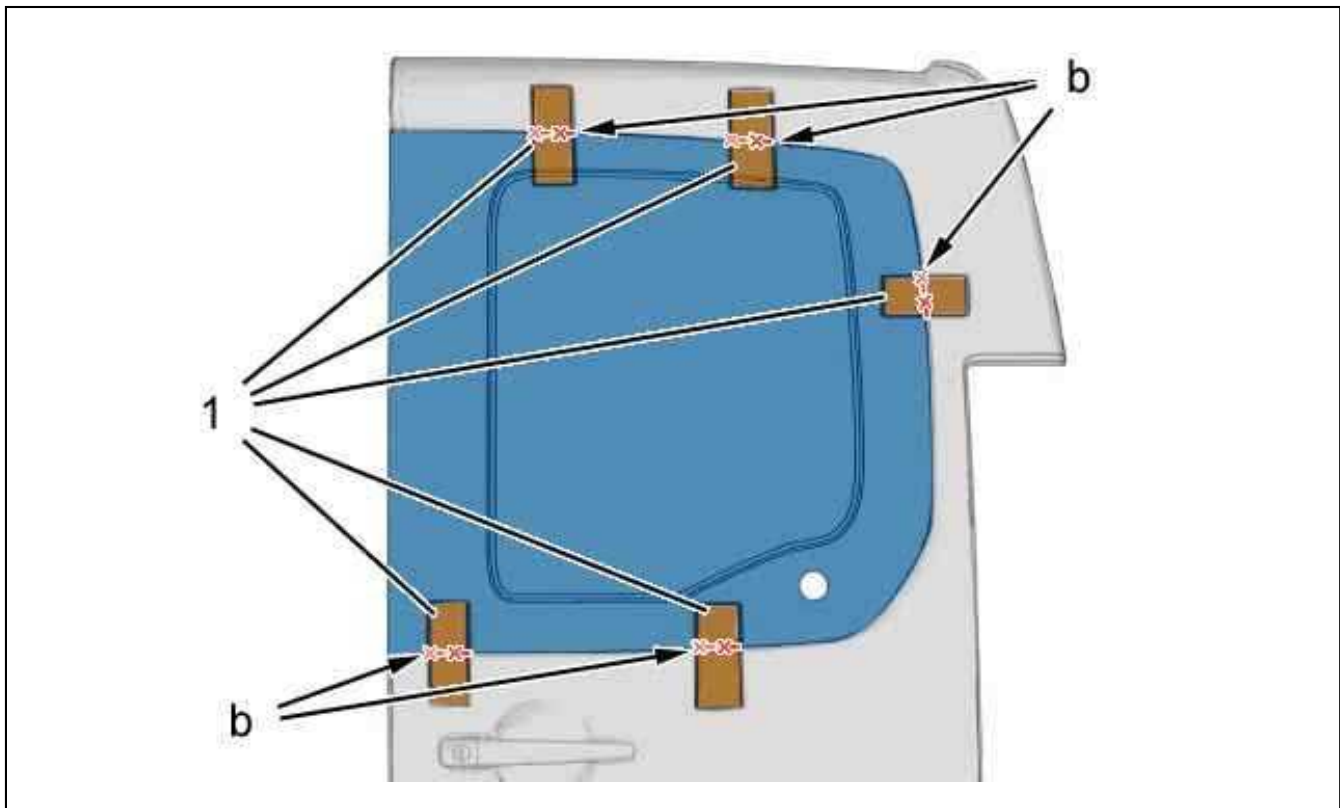


Figure : C4BG0RVD

N.B. : If the rear door window is to be reused, position strips of adhesive tape (1) as indicated above and cut them (at "b").

Open the rear door.

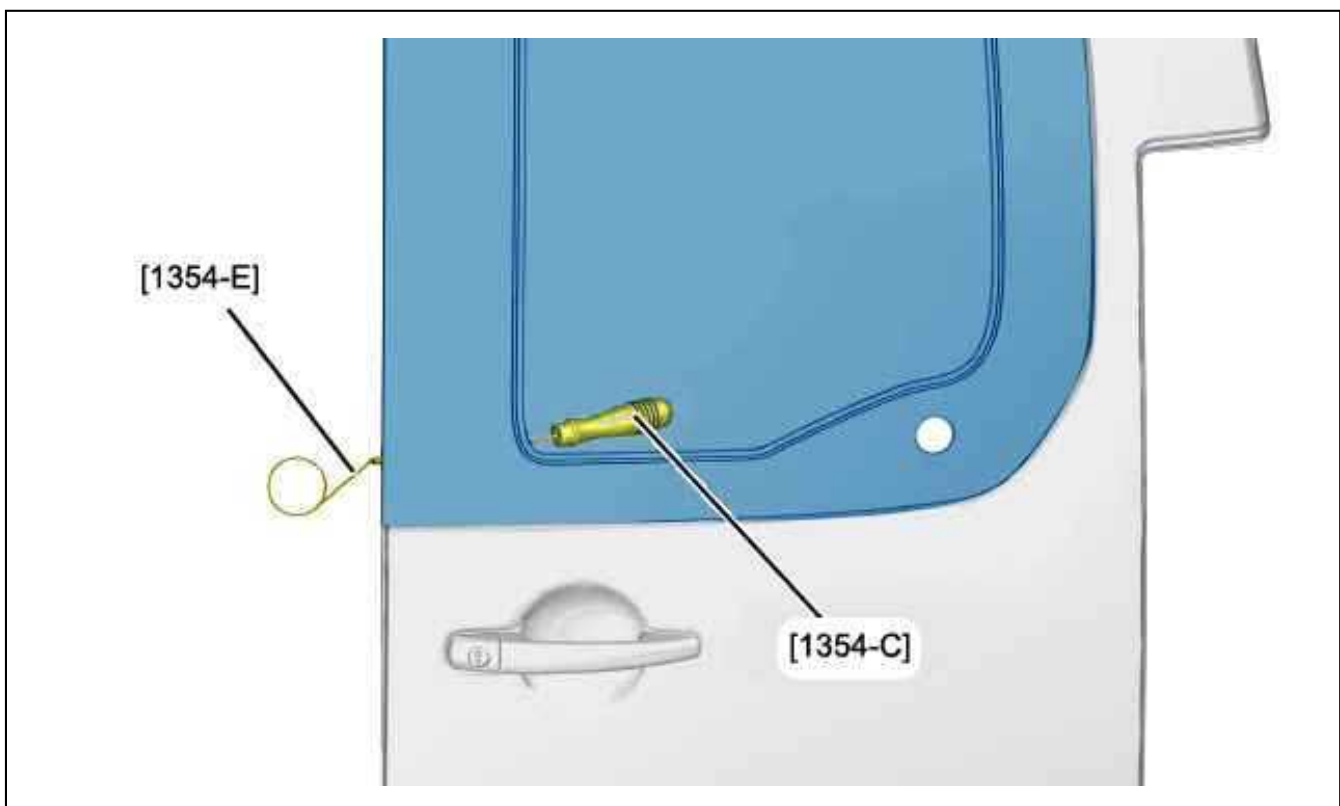


Figure : C4BG0RWD

Pass the awl [1354-C] through the bead of sealing adhesive, from the inside towards the outside.
Attach the cutting wire [1354-E] to the awl [1354-C].
Pass the cutting wire [1354-E] inside the vehicle.

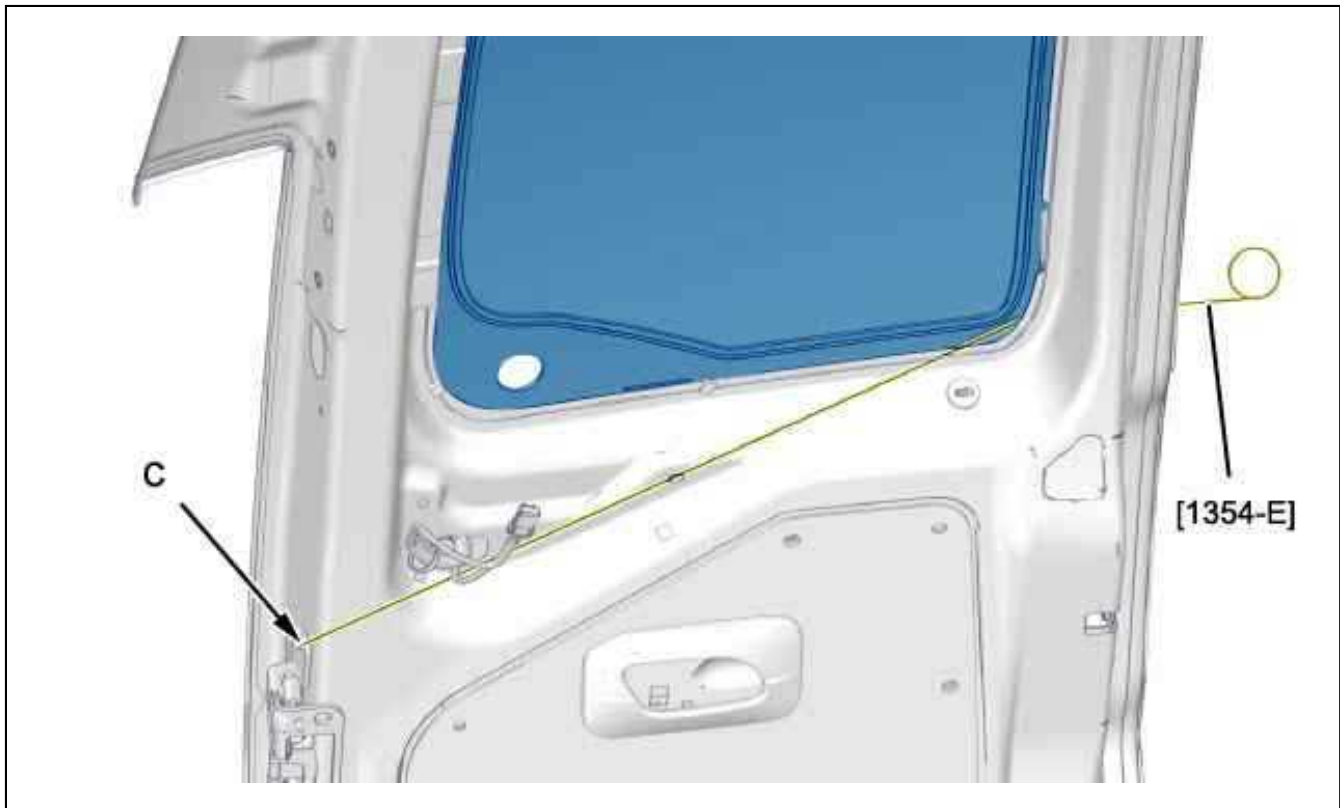


Figure : C4BG0RXD

Fix the end of the cutting wire [1354-E] on the upper fixing of the rear door check strap (as "c").

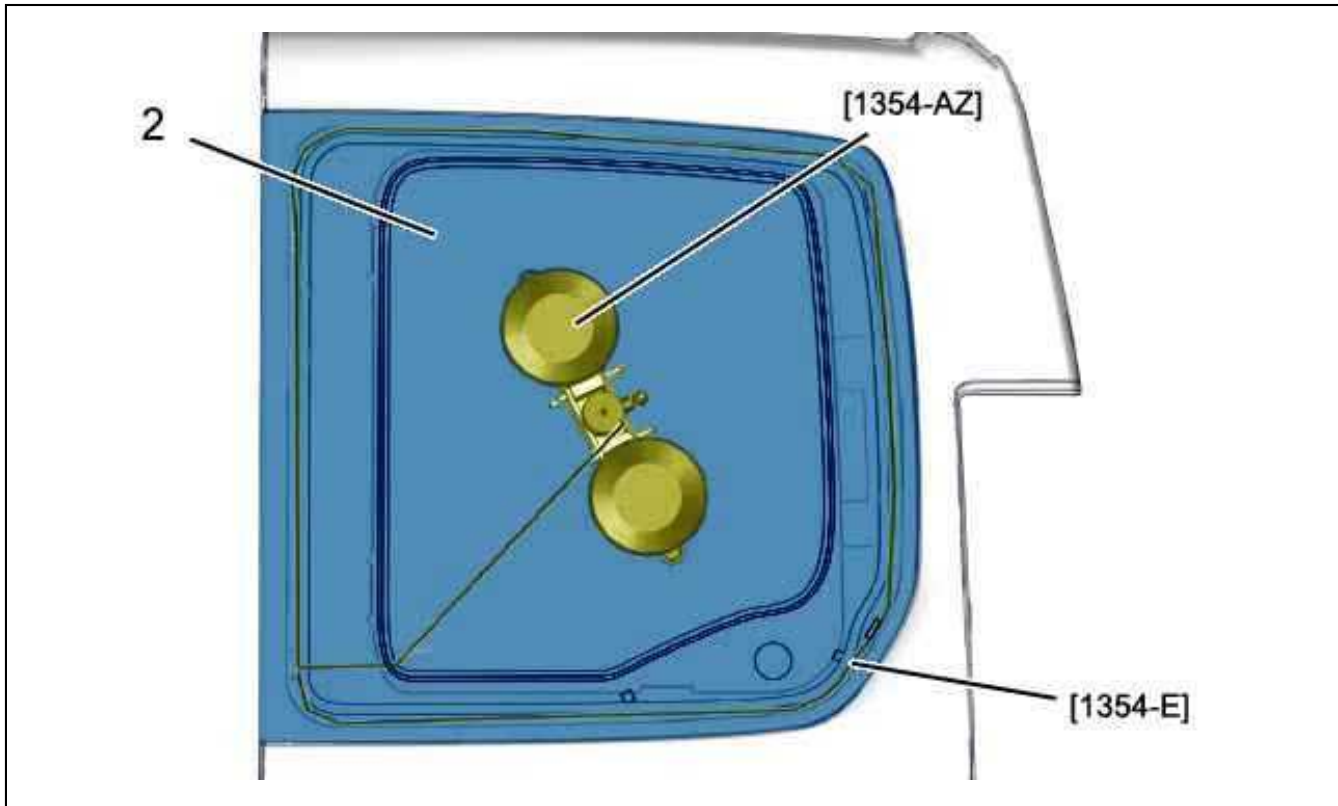


Figure : C4BG0RYD

Pass the cutting wire [1354-E] under the window (2).

Fix the end of the cutting wire [1354-E] to the roller guide device [1354-AZ].

N.B. : 2 operators are necessary to carry out the following operations.

Cut and move the tool [1354-AZ], following the progress of the cutting of the bead of sealing adhesive.

N.B. : At the slightest resistance of the wire while cutting, slacken it and assist it in passing the obstacle (Support shims, excessive thickness of the bead of adhesive or join between panels).

Remove the window (2).

3. Cleaning

3.1. Preparing the glass

1st case : Reuse of the rear door window .

Fit the electric knife [FEIN-400E] with the blade N°146.

Remove the sealing adhesive strip.

Remove any dust using a clean cloth.

N.B. : Apply the primer on the zones made bare.

2nd case : Fitting of a new rear door window.

Degrease the edge of the rear door window .

Apply the glass primer provided in the bonding kit .

Leave to dry for 10 minutes.

N.B. : Only apply the primer to the zones laid bare.

3.2. Preparation of the aperture

1st case : On residue sealant.

Fit the electric knife [FEIN-400E] with the blade N°146.

Remove the sealing adhesive strip.

Remove any dust using a clean cloth.

2nd case : New component.

Degrease the aperture.

Apply the metal primer provided in the bonding kit part number A3.

Leave to dry for 10 minutes.

4. Refitting

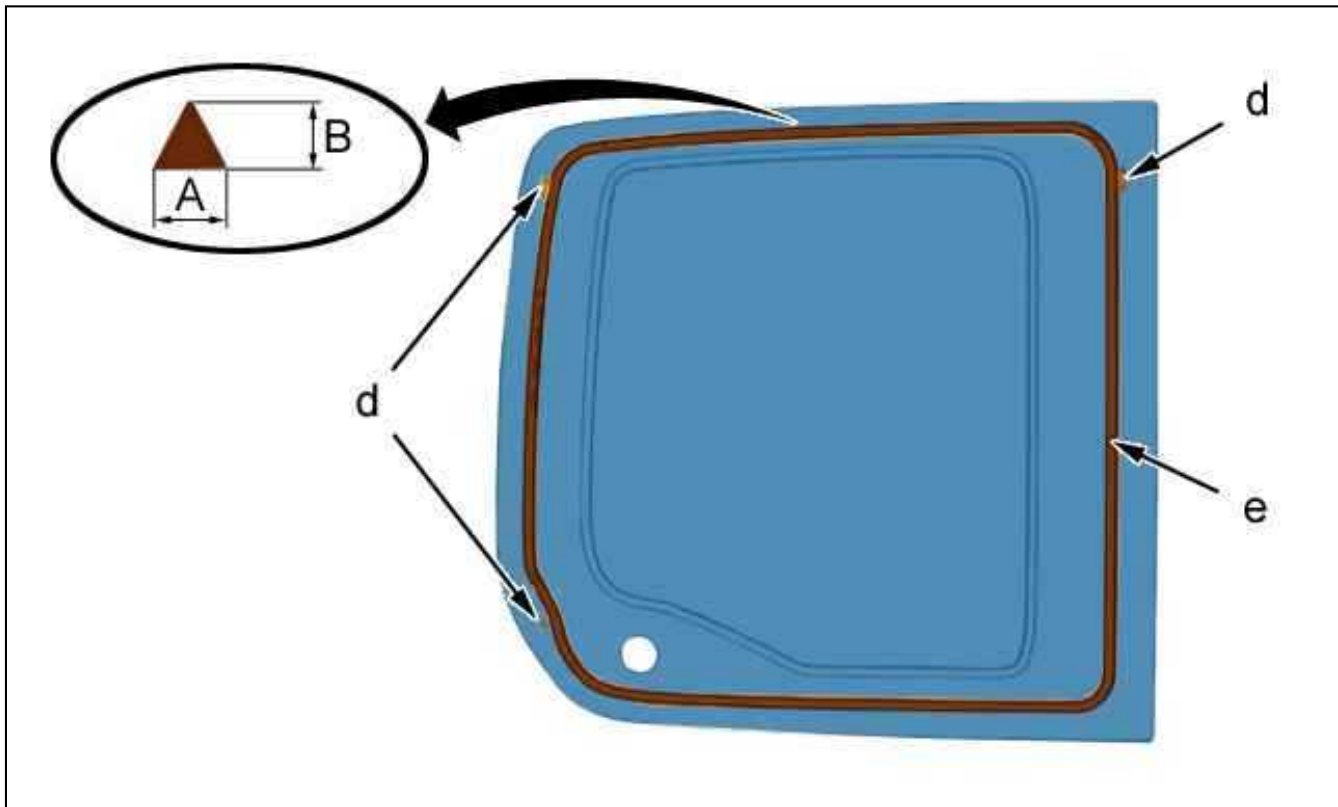


Figure : C4BG0RZD

"A" = 8 mm .

"B" = 12 mm .

Cut the nozzle in triangular section to obtain a bead of sealing adhesive "A" wide and "B" deep.

Apply a bead of sealing adhesive to the periphery of the rear door window (as "e").

Fit the rear door window shims (as "d").

CAUTION : If a two-pack product is used : The time between the glass fitting to the vehicle and the start of extrusion of the adhesive sealant should not exceed 5 minutes.

N.B. : Two people are required to perform the following operation.

Refit : The window (2).

Press lightly on the periphery of the rear door window (2).

Clean the rear door window (2) and its surround.

CAUTION : Observe the vehicle immobilisation time following fitting of the windscreen recommended by the suppliers of the products used.

Continue the fitting operations in the reverse order to the removal operations.

Check the sealing of the windscreen pillar window (2).

Clean the rear door window (2) and its surround.

REMOVING - REFITTING : SIDE SLIDING DOOR WINDOW

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Tooling

Presentation :

- Glazing tools ⓘ
- Glazing consumables ⓘ

2. Removing

Remove the sliding side door trims ⓘ .

2.1. Sliding side door moving window

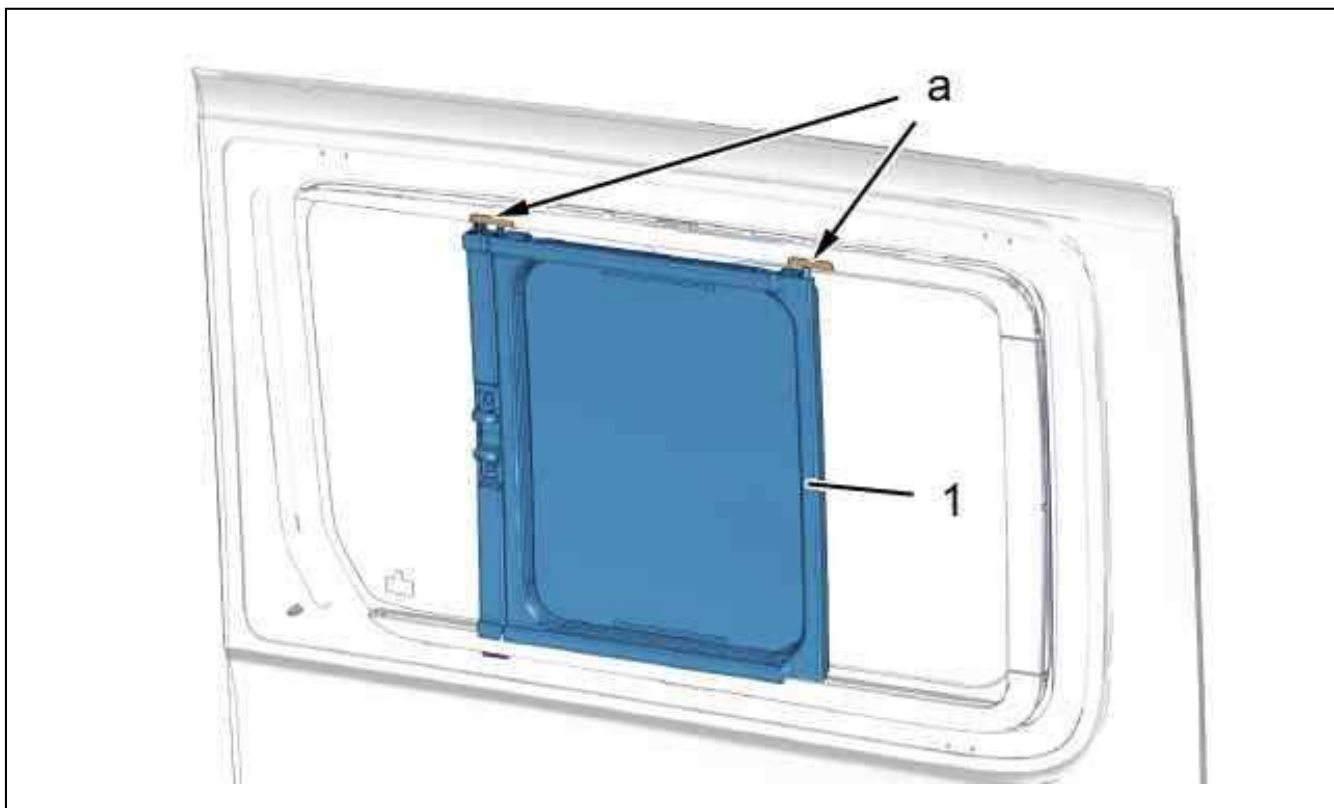


Figure : C4CG0L8D

Open the sliding side door moving window (1).

Unclip the locks (at "a").

Remove the sliding side door moving window (1).

2.2. Sliding side door fixed window

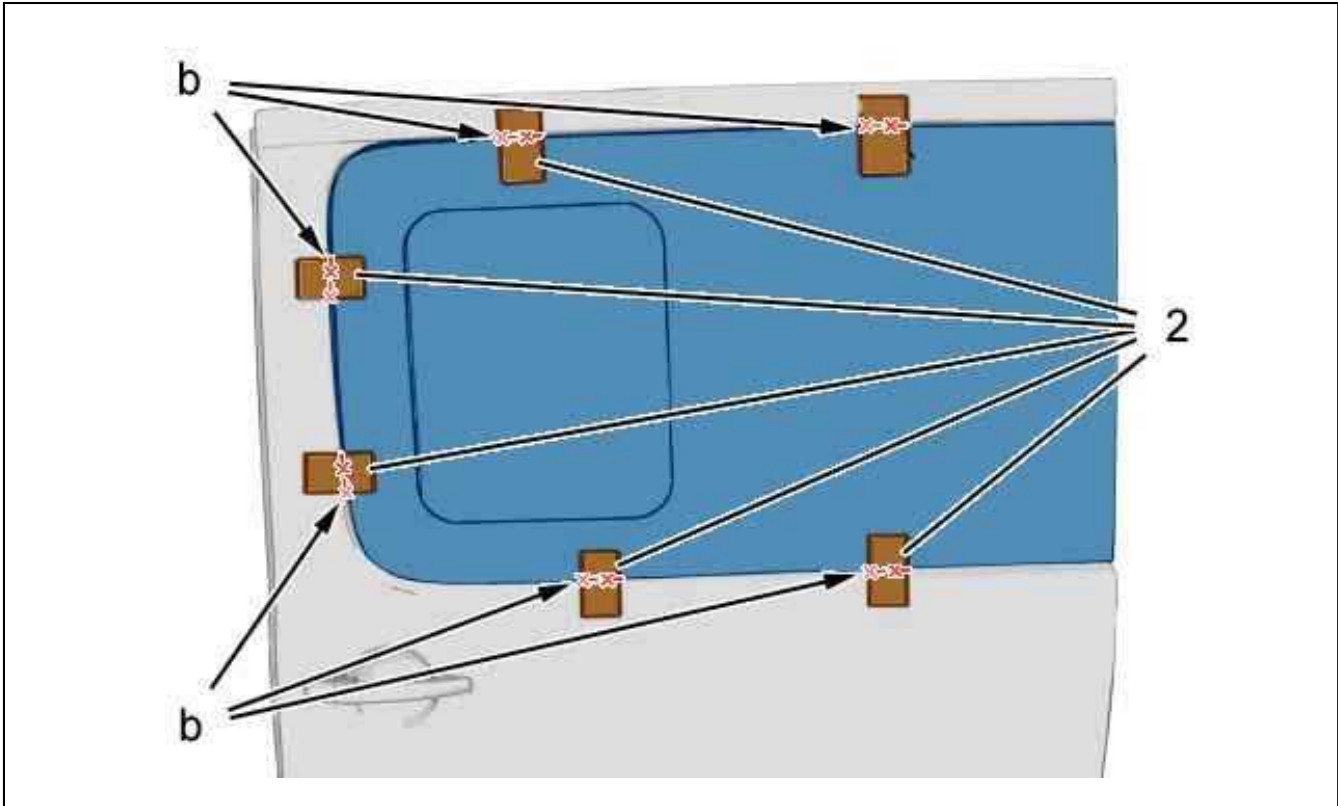


Figure : C4CG0L9D

N.B. : If the sliding side door window is to be reused, position strips of adhesive tape (2) and cut them (at "b") (See figure(s)).

Open the sliding side door.

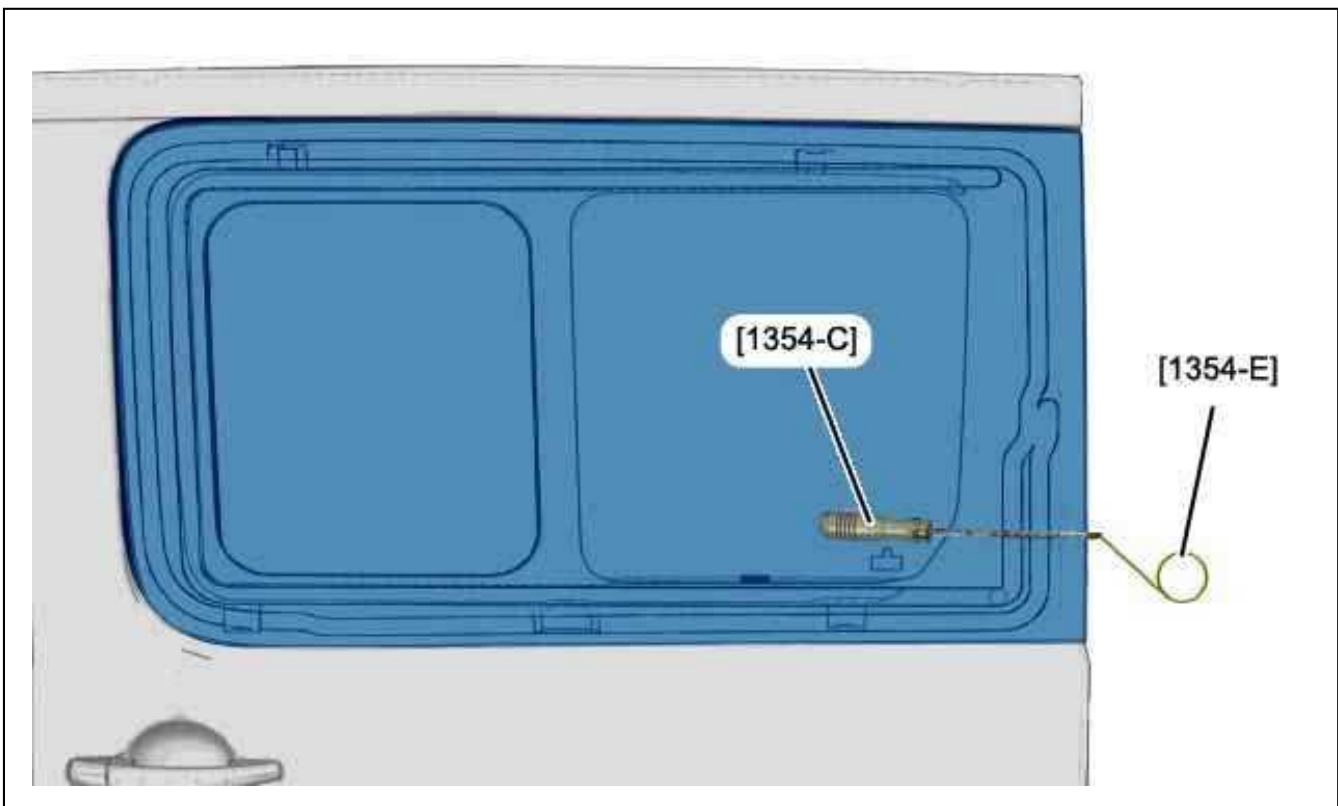


Figure : C4CG0LAD

Pass the awl [1354-C] through the bead of sealing adhesive, from the inside towards the outside.
 Attach the cutting wire [1354-E] to the awl [1354-C].
 Pass the cutting wire [1354-E] inside the vehicle.
 Leave a sufficient length to permit fixing of the handles [1354-D].
 Install the handles [1354-D] at each end of the cutting wire [1354-E].

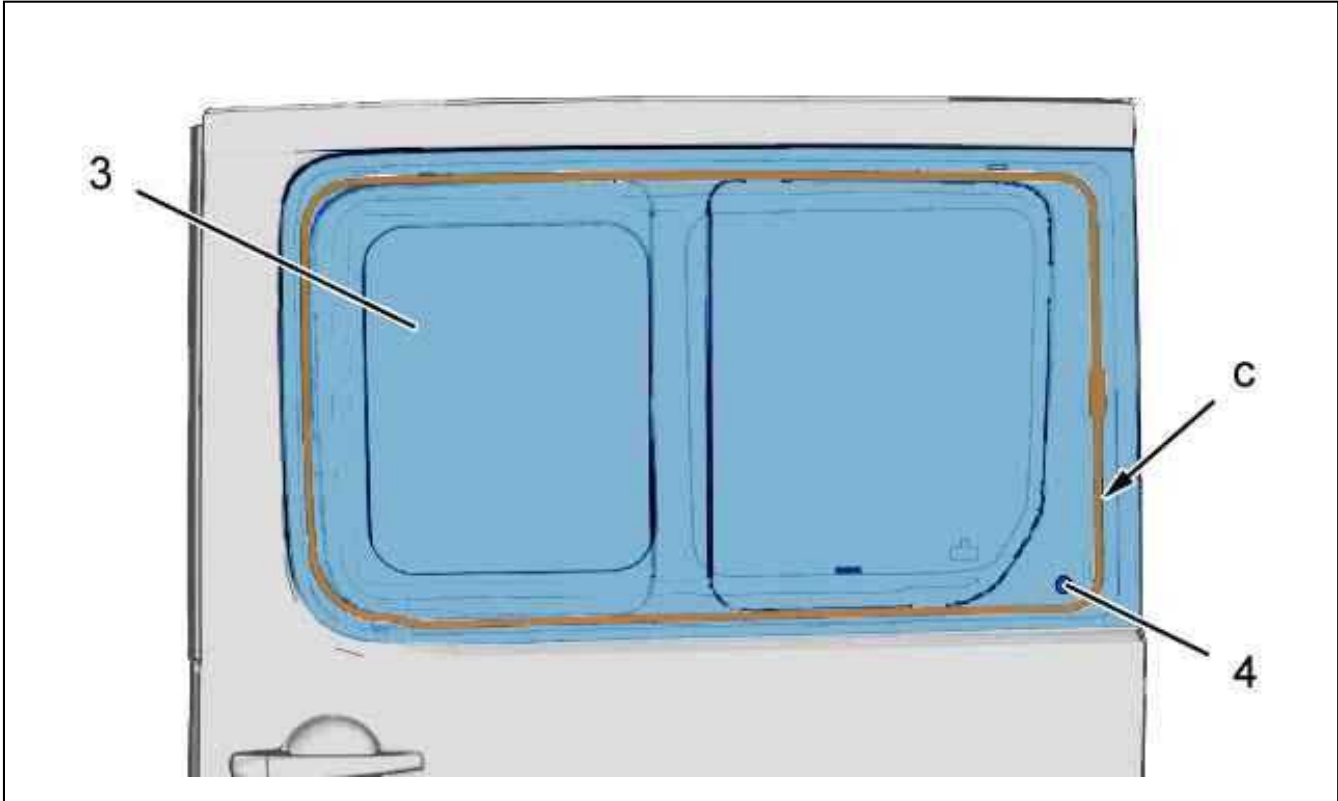


Figure : C4CG0LBD

N.B. : Two people are required to perform the following operation.

N.B. : The indexing pin (4) must be cut.

Cut the sealing adhesive (at "c").

N.B. : At the slightest resistance of the wire while cutting, slacken it and assist it in passing the obstacle (Support shims, excessive thickness of the bead of adhesive or join between panels).

Remove the sliding side door (3) fixed window .

3. Cleaning

3.1. Preparing the sliding side door fixed window

1st case : Reuse of the sliding side door fixed window .

Fit the electric knife [FEIN-400E] with the blade N°146.

Remove the sealing adhesive strip.

Remove any dust using a clean cloth.

Apply the primer on the zones made bare.

2nd case : Fitting a new sliding side door fixed window .

Degrease the edge of the sliding side door fixed window .

Apply the glass primer provided in the bonding kit .
Leave to dry for 10 minutes.

N.B. : Only apply the primer to the zones laid bare.

3.2. Preparation of the aperture

1st case : On residue sealant.

Fit the electric knife [FEIN-400E] with the blade N°146.

Remove the sealing adhesive strip.

Remove any dust using a clean cloth.

2nd case : New component.

Degrease the aperture.

Apply the metal primer provided in the bonding kit part number a3.

Leave to dry for 10 minutes.

4. Refitting

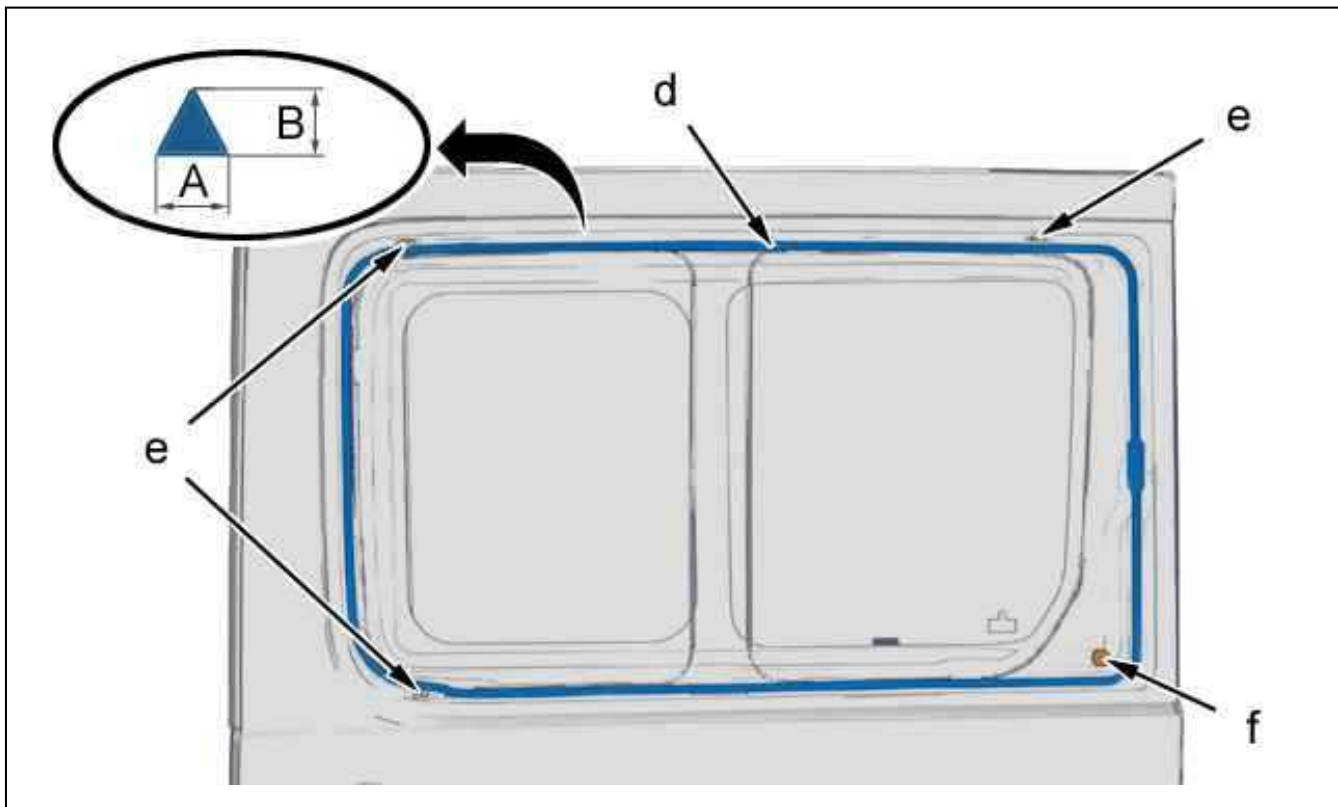


Figure : C4CG0LCD

"A" = 8 mm .

"B" = 12 mm .

Cut the nozzle in triangular section to obtain a bead of sealing adhesive "A" wide and "B" deep.

Apply a bead of sealing adhesive (at "d") to the periphery of the sliding side door fixed window .

Fit the sliding side door fixed window shims (at "e").

Fit the sliding side door fixed window indexing pin (at "f").

N.B. : If a two-pack product is used : The time between the glass fitting to the vehicle and the start of extrusion of the adhesive sealant should not exceed 5 minutes.

Refit the sliding side door fixed window ; Using the hinged suction cups [KIT1-VENT].

Press gently on the periphery of the sliding side door fixed window .

Clean the sliding side door fixed window and its periphery .

Observe the vehicle immobilisation time following fitting of the windscreen recommended by the suppliers of the product used.

Continue the fitting operations in the reverse order to the removal operations.

Check the sealing of the sliding side door fixed window .

Clean the sliding side door fixed window and its periphery .

REMOVING - REFITTING : THE SIDE SLIDING DOOR

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Recommended tools

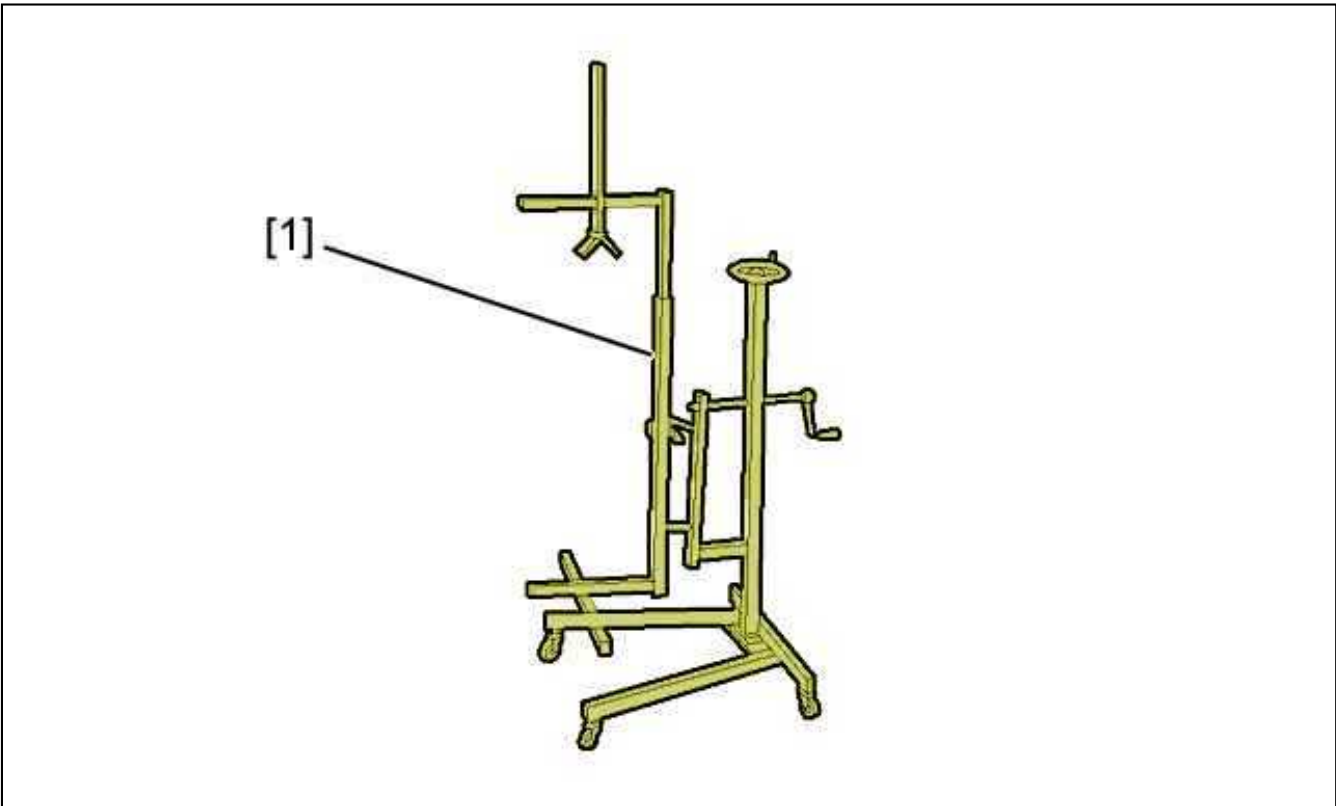


Figure : E5AP2WXD

[1] mobile support for door positioning.

2. Preliminary operation

Perform the following operations :

- Remove the ignition key
- Wait at least 3 minutes before disconnecting the battery
- Disconnect the battery negative terminal

Remove the sliding side door interior trims  .

3. Removing

3.1. The side sliding door

Open the sliding side door.

Support the sliding side door ; Using tool [1].

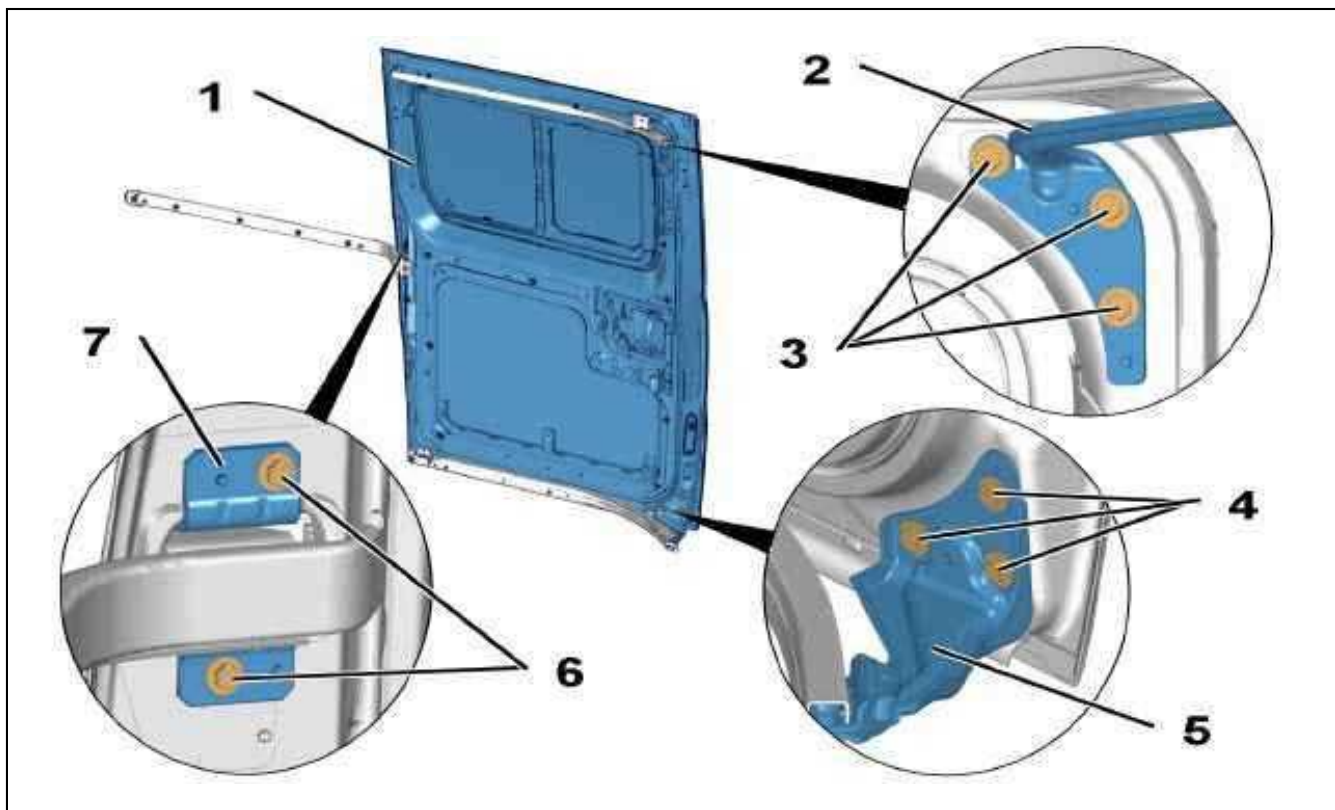


Figure : C4CP2JQD

Remove :

- The upper carriage (2) fixing bolts (3)
- The lower carriage (5) fixing bolts (4)
- The central carriage (7) fixing bolts (6)
- The sliding side door (1)

3.2. Central rail of the sliding side door

Remove the rear wing trim  .

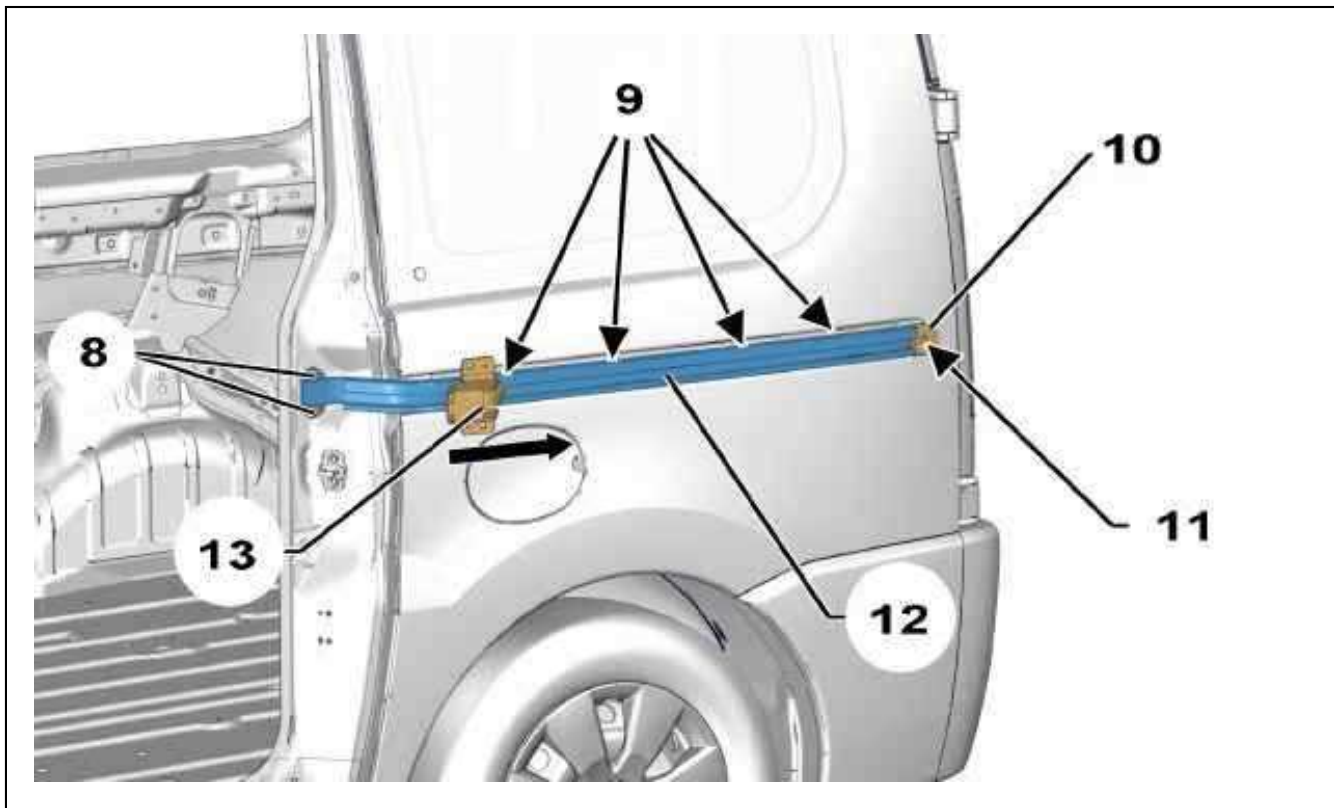


Figure : C4CP2JRD

Remove :

- The (11) bolt
- The cover (10)

Disengage the carriage (13) (following the arrow).

Remove :

- The runner (13)
- The bolts (8), (9)
- The central rail (12)

3.3. Lower rail of the sliding side door

ESSENTIAL : Deactivate the pneumatic suspension before lifting the vehicle ⓘ (2 or 4 post lift, workshop jack or customer's jack ⓘ).

Place the vehicle on a 2-post lift.

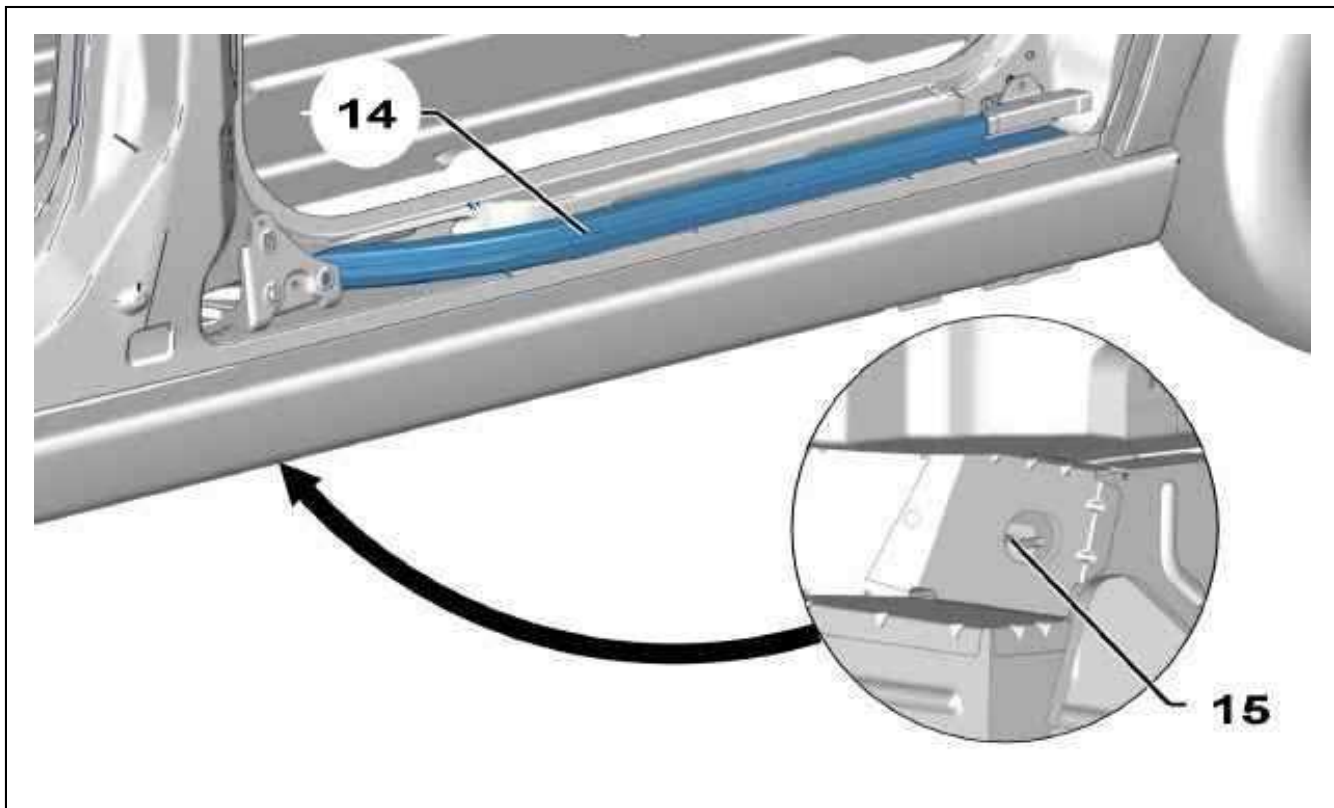


Figure : C4CP2JSD

Remove the lower rail (14) nut (15).

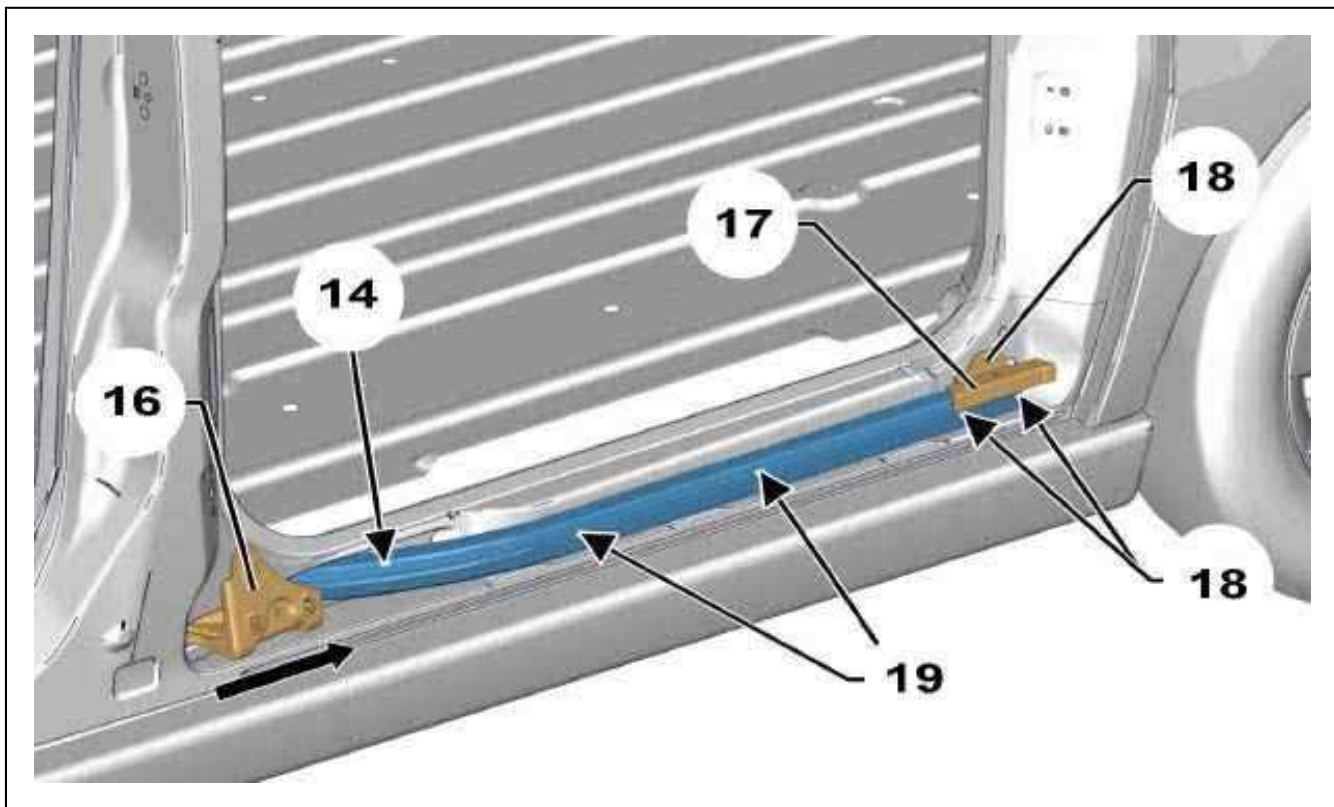


Figure : C4CP2JTD

Remove :

- The bolts (18)

- The carriage stop (17)

Disengage the carriage (16) (following the arrow).

Remove :

- The runner (16)
- The bolts (19)
- The lower rail (14)

3.4. Sliding side door upper rail

Remove the roof side air bag  .

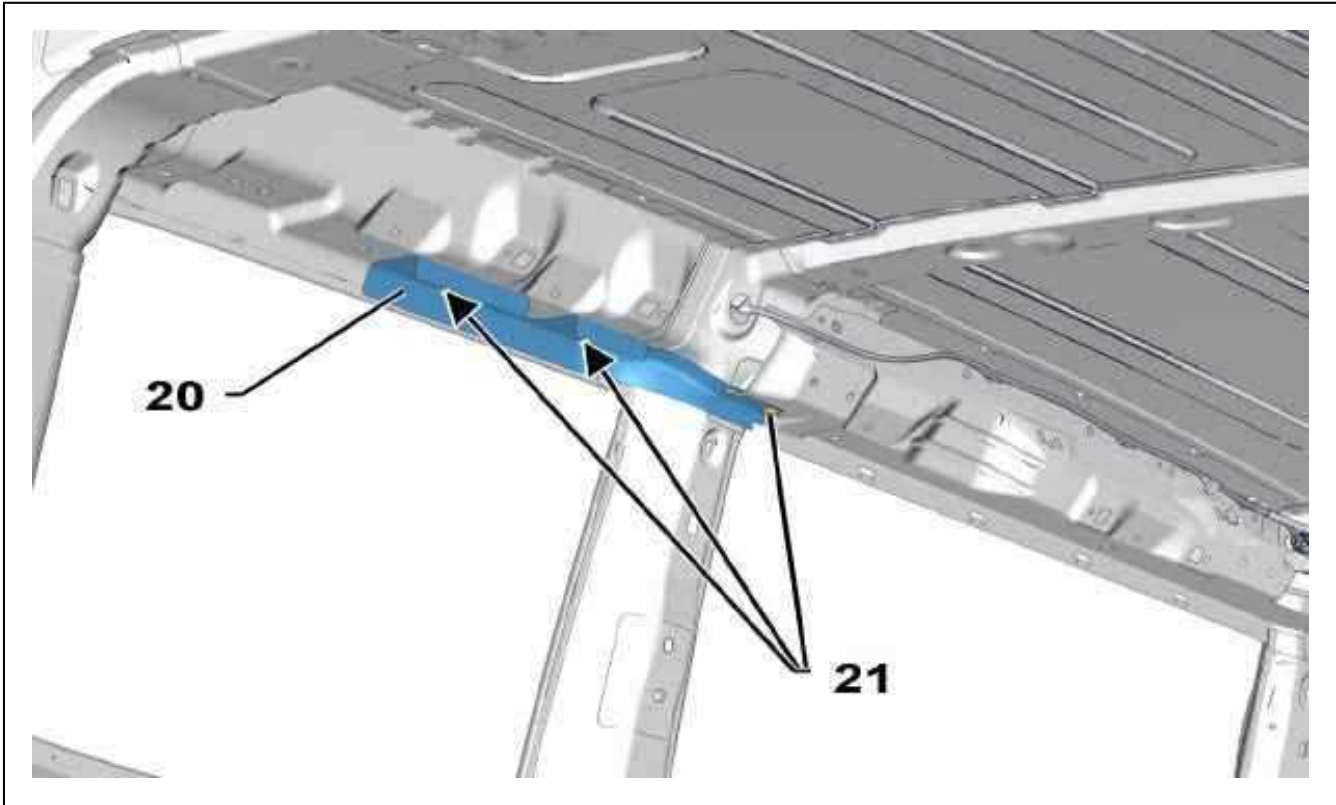


Figure : C4CP2JUD

Drill the rivet heads (21) with a 8 mm dia. drill.

Remove the deflector (20).

Drill the bodies of the remaining rivets.

Drift out the rivet studs before drilling out.

N.B. : Vacuum to extract the rivet waste .

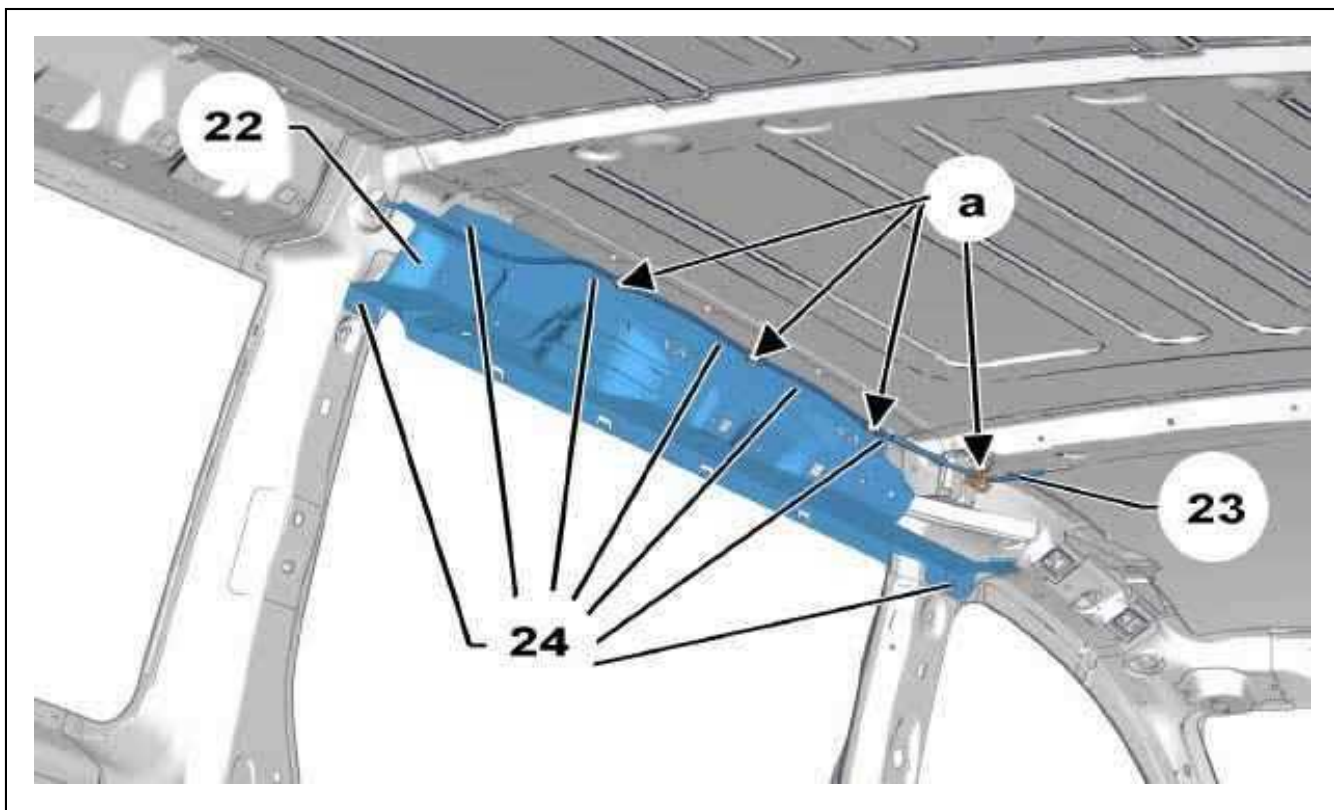


Figure : C4CP2JVD

Liberate the wiring harness (23) (at "a").

Remove :

- The bolts (24)
- The side airbag support (22)

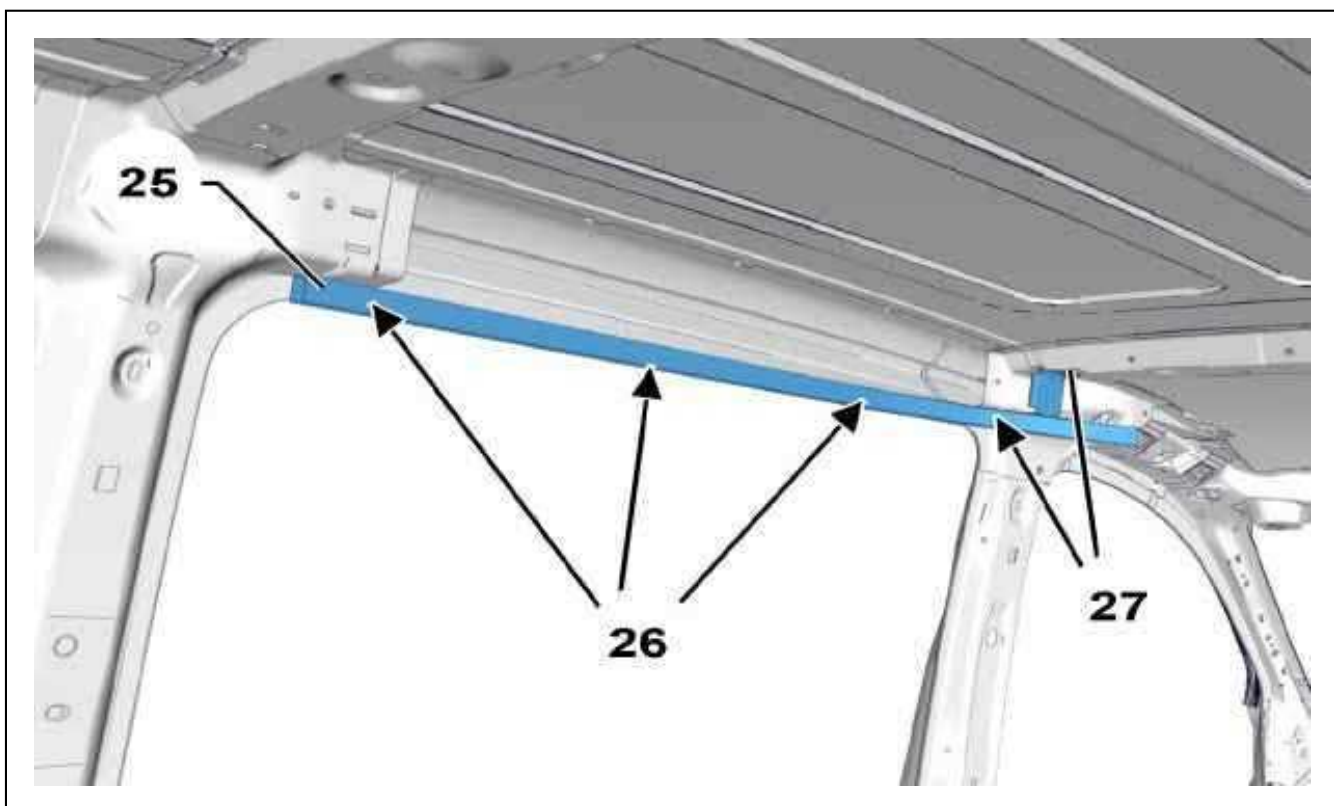


Figure : C4CP2JWD

Remove :

- The bolts (26), (27)
- The upper rail (25)

4. Refitting

Proceed in the reverse order to removal.

CAUTION : Perform the operations to be carried out following reconnection of the battery ⓘ.

Reconnect the battery.

Check that the electrical equipment is working correctly.

Tighten :

- The nut (15) to $0,8 \pm 0,2$ daN.m
- The bolts (3), (4), (6), (8), (9), (18), (19), (24), (26), (27) to $0,8 \pm 0,2$ daN.m
- Screw (11) to $0,6 \pm 0,2$ daNm

5. Adjustment

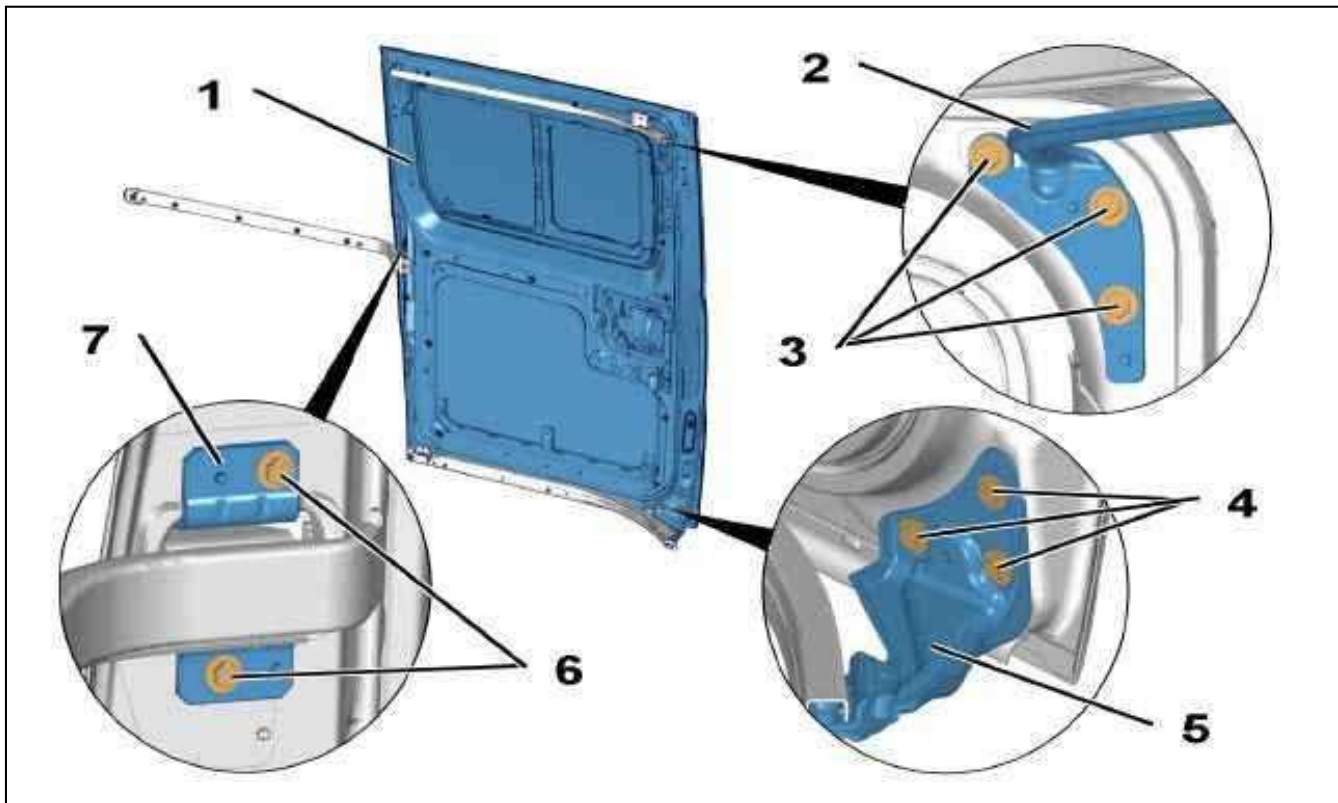


Figure : C4CP2JQD

Slacken the bolts (3) by 1/4 turns.

Position the upper carriage (2) to adjust the clearance of the sliding side door ⓘ.

For the adjustment, drive out the centring point ; Using a pin drift.

Tighten the bolts (3) to $0,8 \pm 0,2$ daN.m.

Slacken the screws (4) one 1/4th of a turn.

Position the lower carriage (5) to adjust the clearance of the sliding side door ⓘ.

For the adjustment, drive out the centring point ; Using a pin drift.

Tighten the bolts (4) to $0,8 \pm 0,2$ daN.m.

Slacken the screws (6) one 1/4th of a turn.

Position the central carriage (7) to adjust the fit of the door ⓘ .

For the adjustment, drive out the centring point ; Using a pin drift.

Tighten the bolts (6) to $0,8 \pm 0,2$ daN.m.

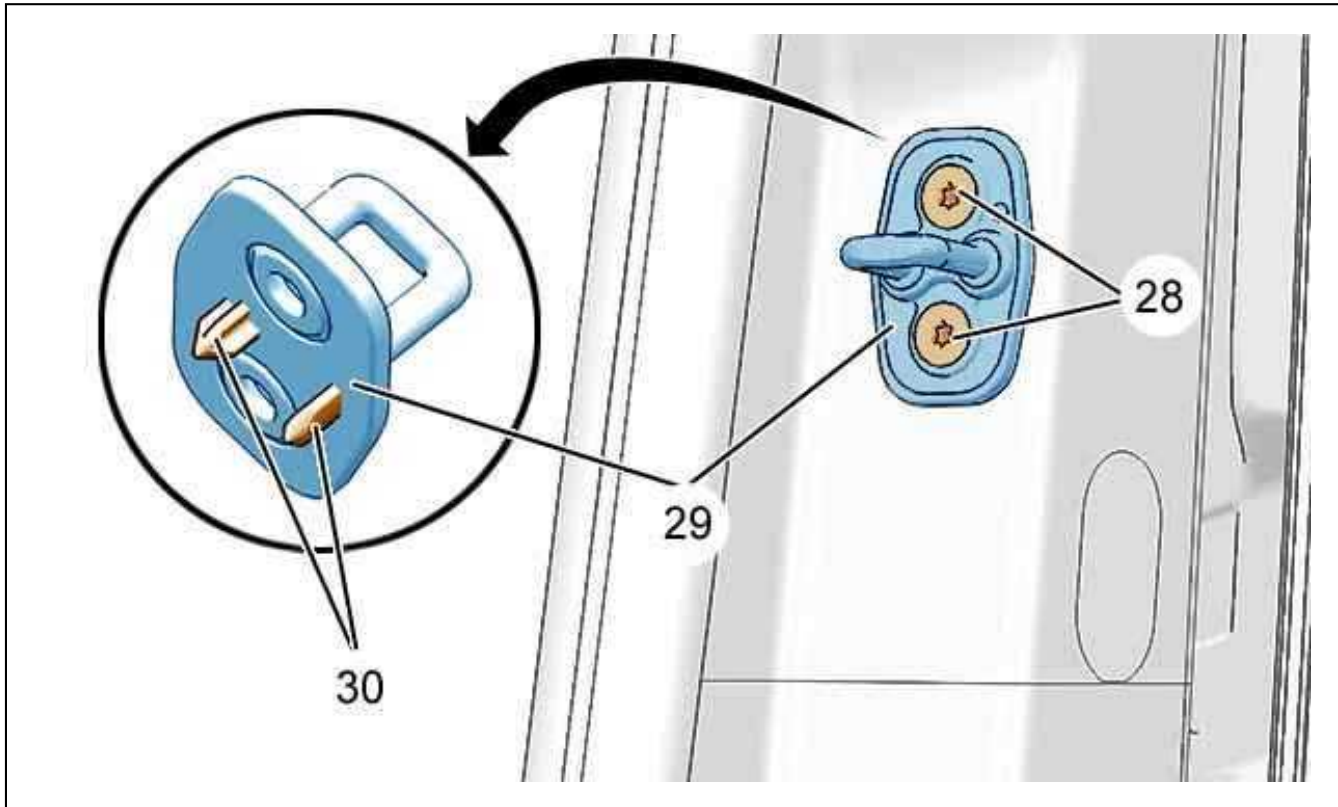


Figure : C4CP2JXD

Remove the bolts (28).

Disengage the striker (29).

Grind the indexing points (30).

Refit :

- The striker (29)
- The screws (28), without tightening them

Position the striker (29) to adjust the fit of the sliding side door ⓘ .

Tighten the bolts (28) to $2 \pm 0,3$ daN.m.

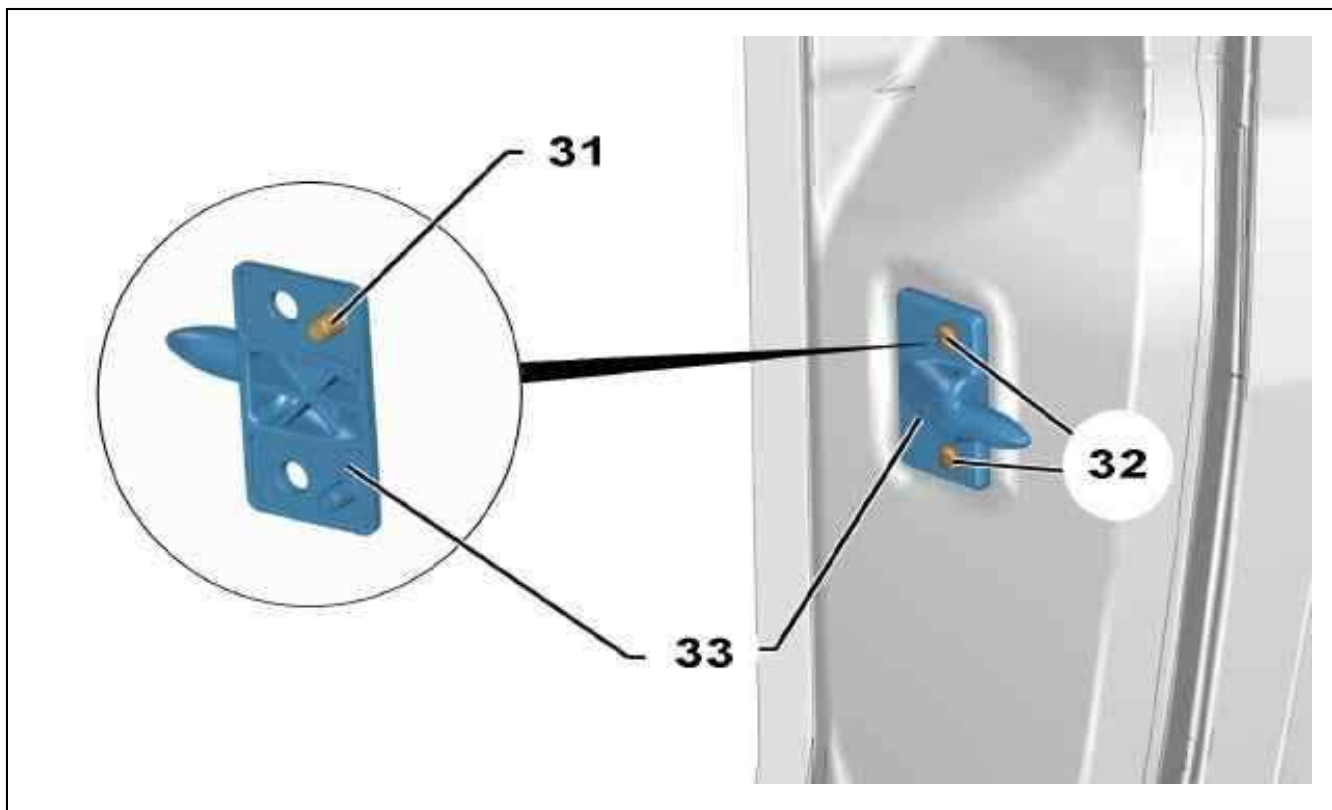


Figure : C4CP2JYD

Remove the bolts (32).

Disengage the guide (33).

Grind the indexing point (31).

Refit :

- The guide (33)
- The screws (32), without tightening them

Position the guide (33) to adjust the fit of the sliding side door .

Tighten the bolts (32) to $2 \pm 0,3$ daN.m.

REPLACEMENT : SLIDING SIDE DOOR PANEL

ESSENTIAL : Observe the elementary rules of hygiene and safety (wear a face mask to protect against fumes and vapour - work in a well ventilated space).

CAUTION : All of the stripped surfaces must be protected by means of the approved electrolytic rezincing process .

1. Additional operations

Remove-refit the door.

Strip - retrim the door.

2. Identification of replacement parts

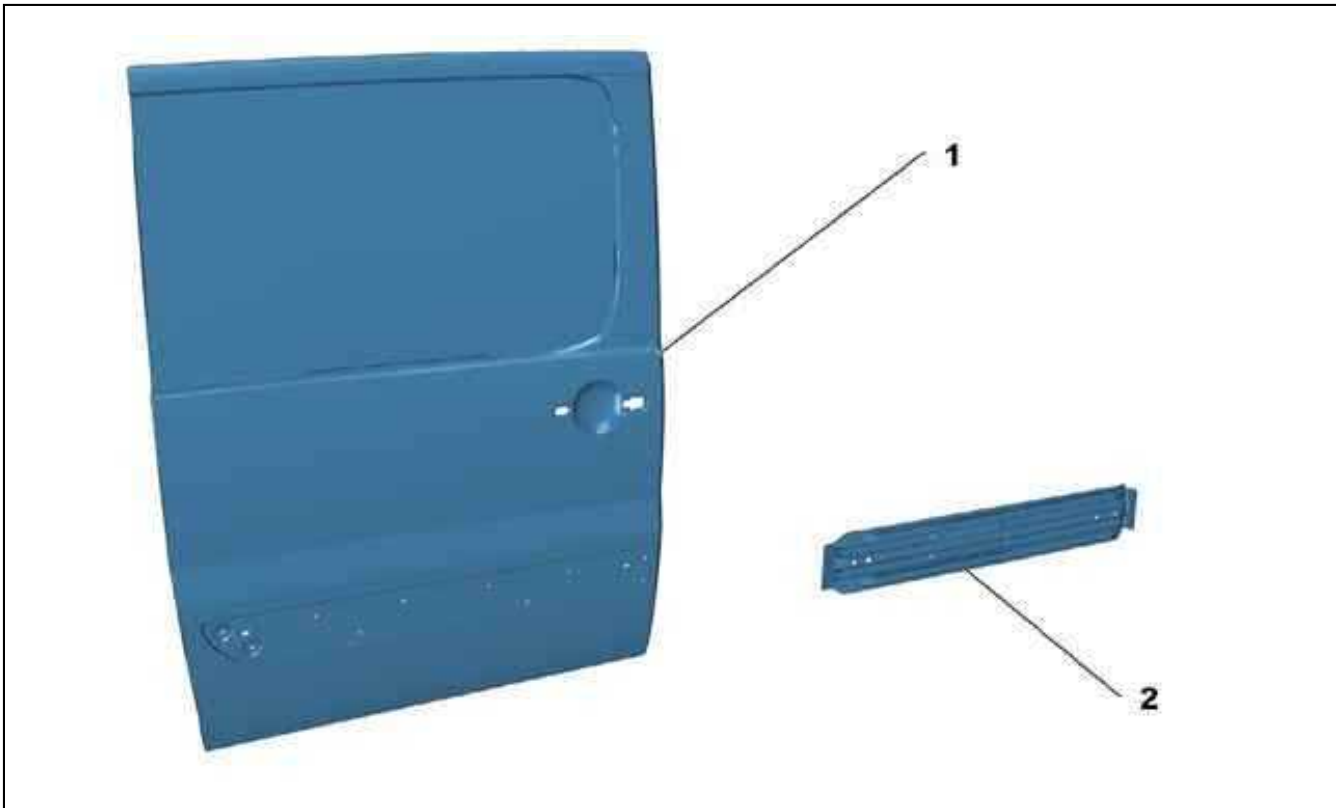


Figure : C4CP2HCD

Reference	Designation	Thickness (mm)	Nature/classification
(1)	Sliding side door panel	0,77	HLE*
(2)	Sliding side door side impact strengthener	0,77	ADX*

3. Cutting out

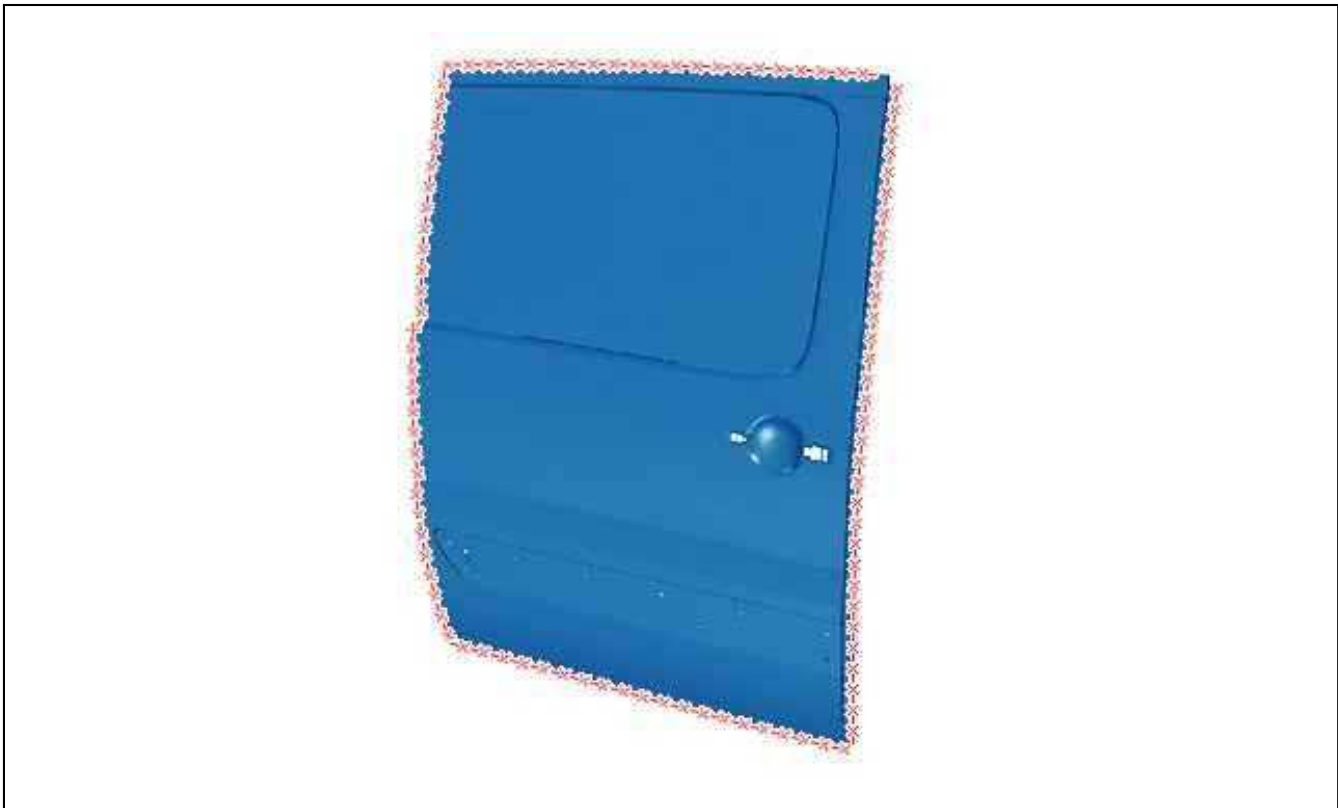


Figure : C4CP2HDD

Cut and detach the sliding side door panel .
Remove the sliding side door panel .

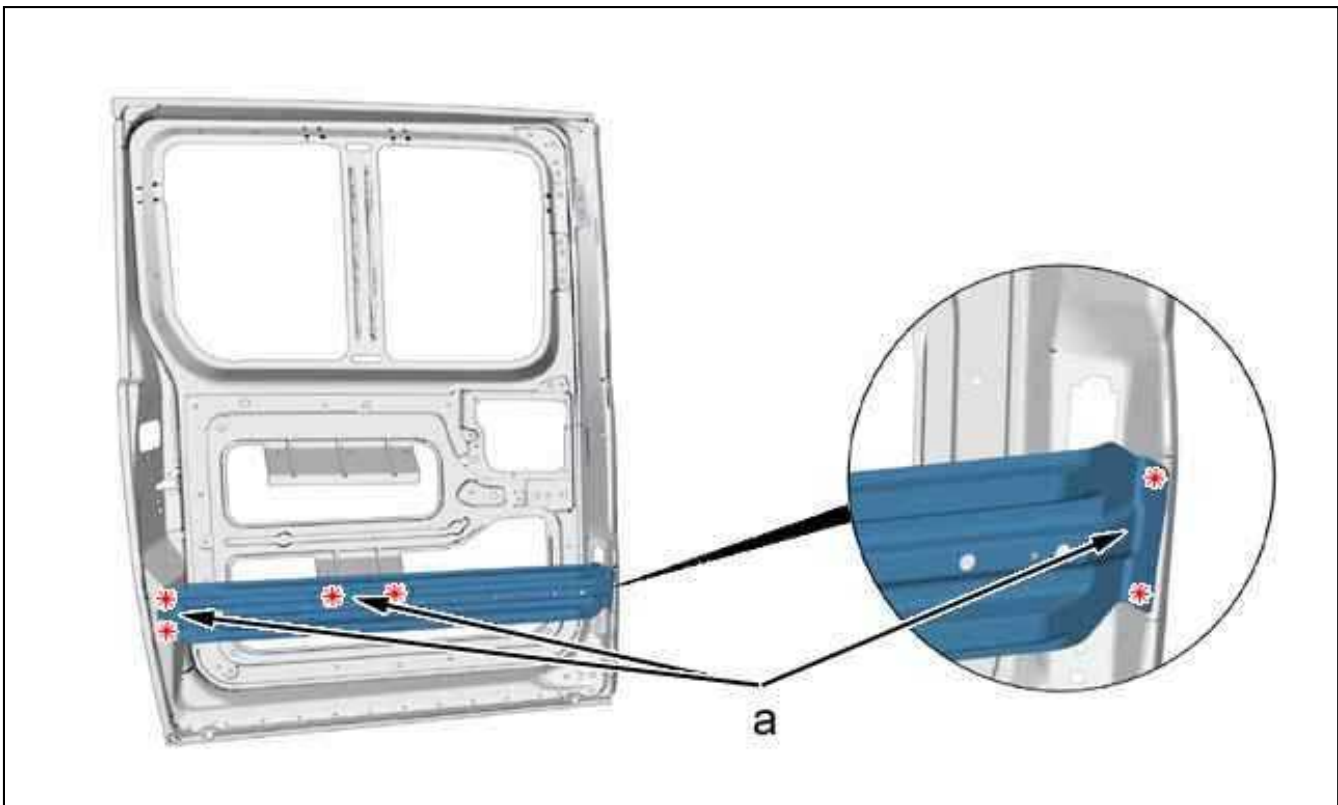


Figure : C4CP2HED

Cut out the spot welds (at "a").

Remove the sliding door side impact strengthener .

4. Bodywork cleaning and preparation

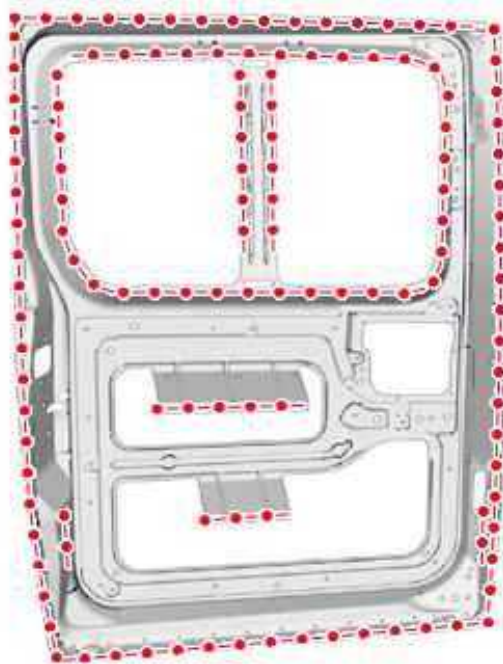


Figure : C4CP2HFD

Prepare the mating edges and protect them using a weldable primer .

5. Adjustment

Fit :

- The sliding door side impact strengthener
- The sliding side door panel

Check the fit.

6. Welding

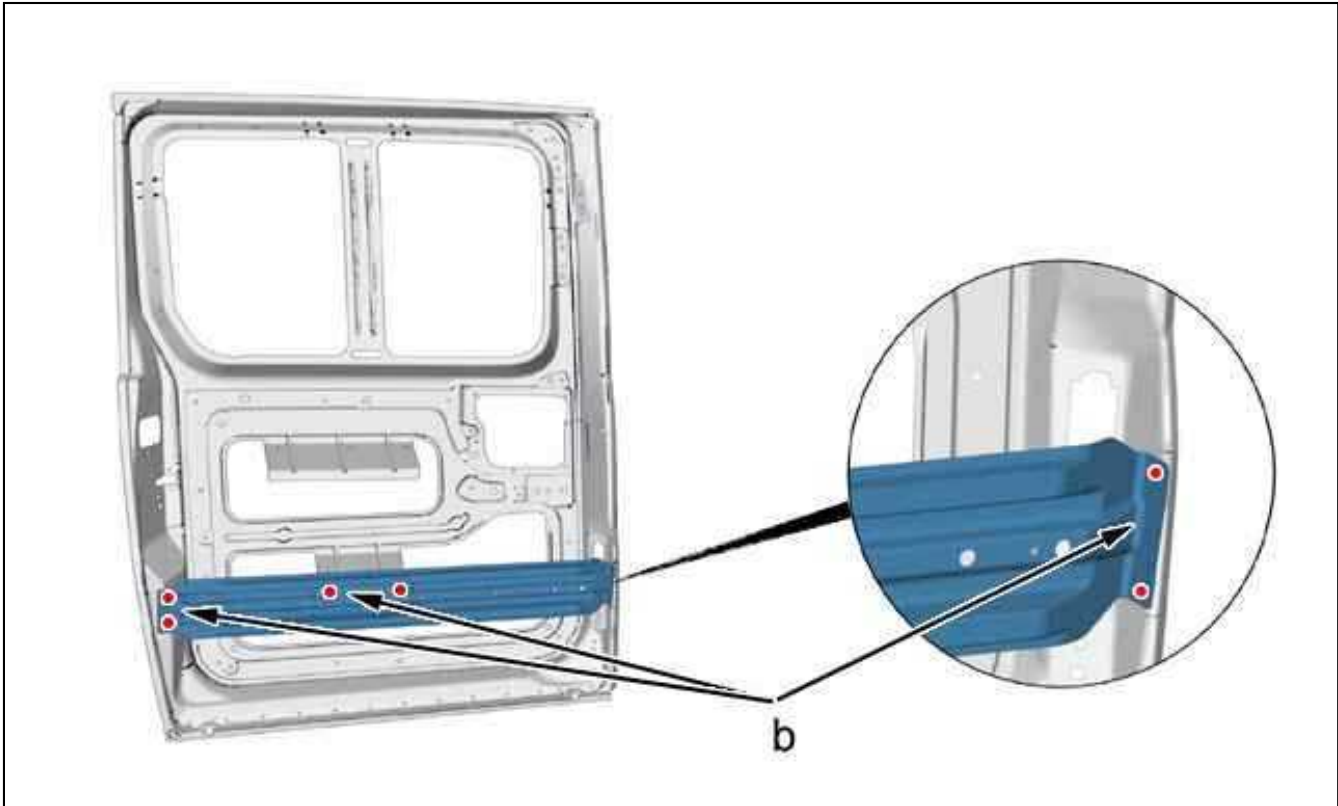


Figure : C4CP2HGD

Fit the sliding door side impact strengthener.
Weld with electric spot welds (at "b").

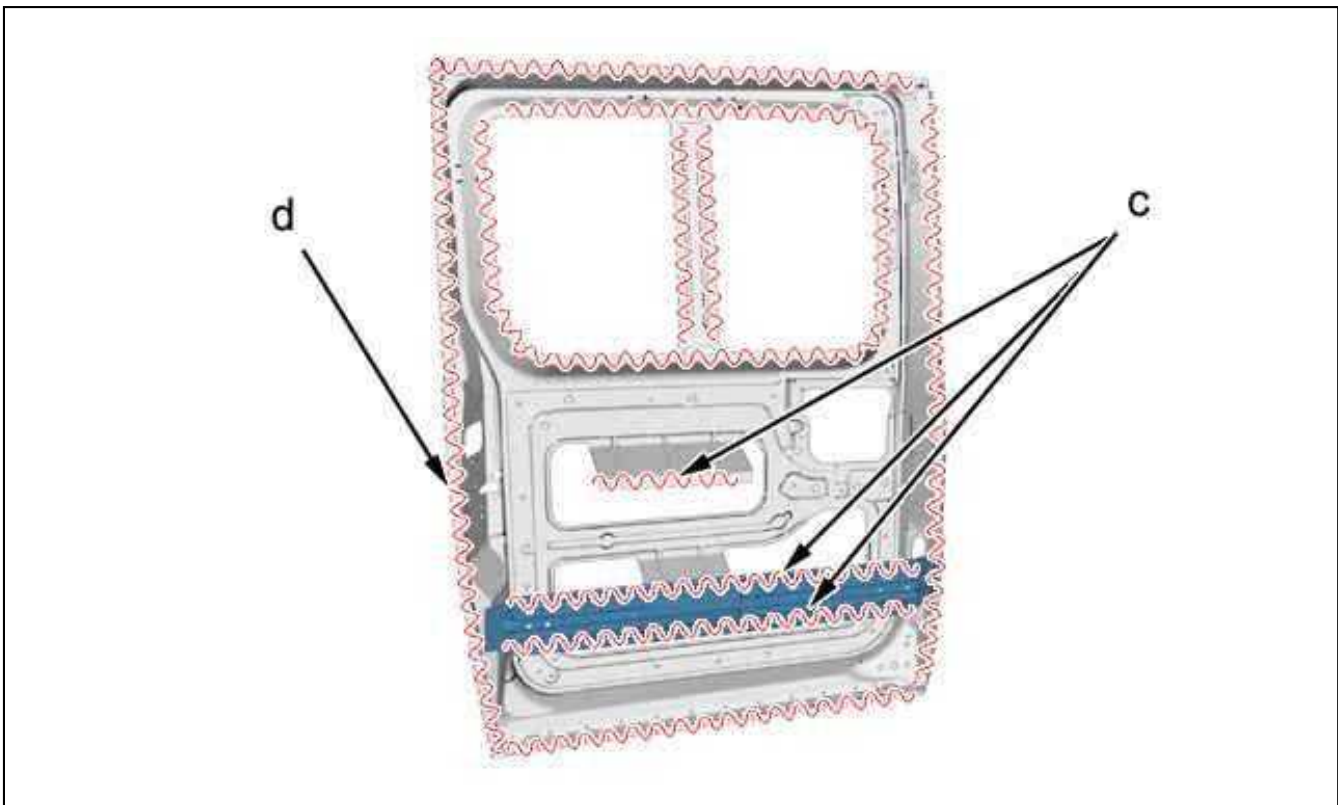


Figure : C4CP2HHD

Apply :

- An index A2 shimming adhesive on the side impact strengthener (at "c")
- An index B8 structural adhesive on the edge of the sliding side door (at "d")



Figure : C4CP2HJD

Fit the sliding side door panel .

Crimp the sliding side door panel .

7. Sealing protection



Figure : C4CP2HKD

Apply a finish putty (index A1).

Paint then spray in the hollow sections of the product index C5.

8. Reinitialisation

Carry out the additional operations.

REPLACEMENT : PARTIAL GLAZED SLIDING SIDE DOOR PANEL

CAUTION : All of the stripped surfaces must be protected by means of the approved electrolytic rezing process ..

ESSENTIAL : Observe the elementary rules of hygiene and safety (wear a face mask to protect against fumes and vapour - work in a well ventilated space).

1. Additional operations

Remove-refit the glazed sliding side door .
Strip-assemble the glazed sliding side door .

2. Identification of replacement parts

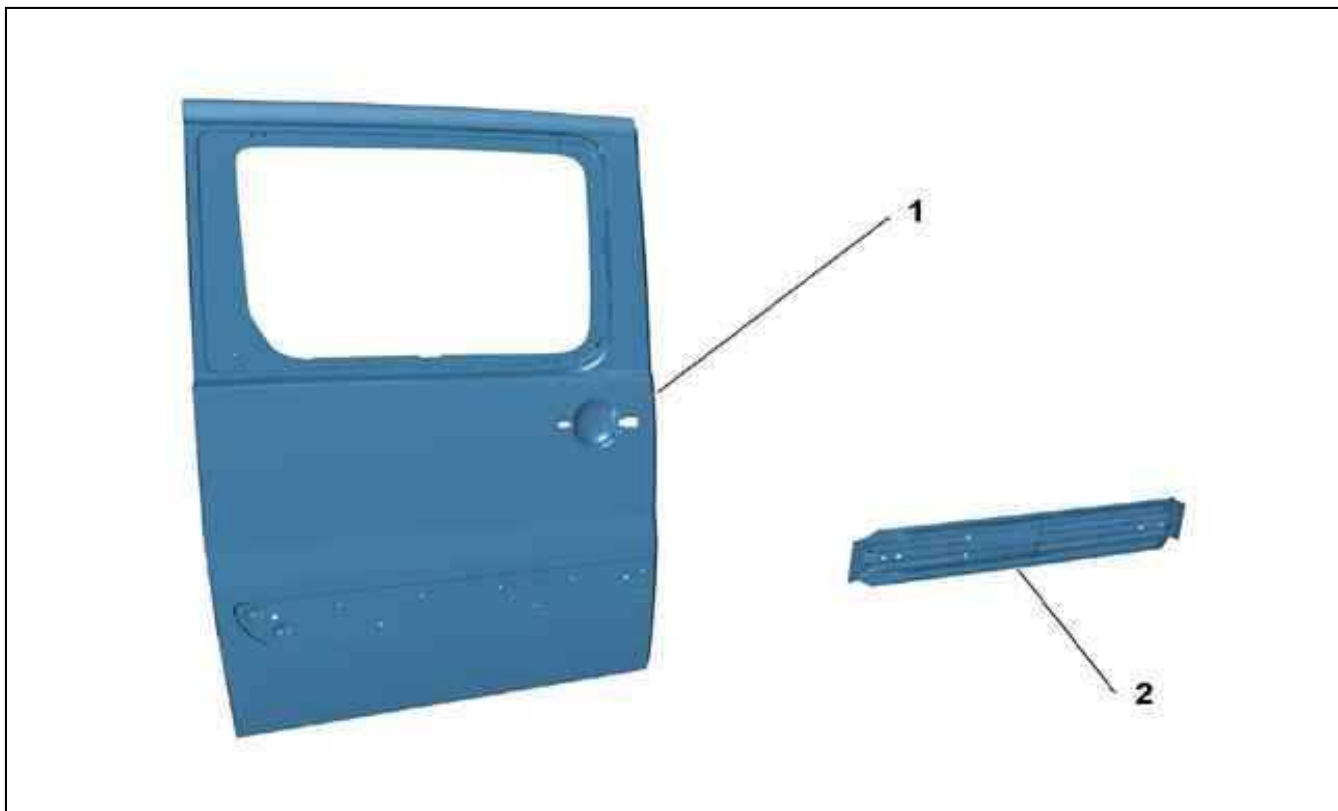


Figure : C4CP2HLD

Reference	Designation	Thickness (mm)	Nature/classification
(1)	Glazed sliding side door panel	0,77	High strength *
(2)	Glazed sliding door side impact strengthener	0,77	ADX *

(*) High strength = High strength steel. ADX = Mild steel.

3. Replacement part preparation

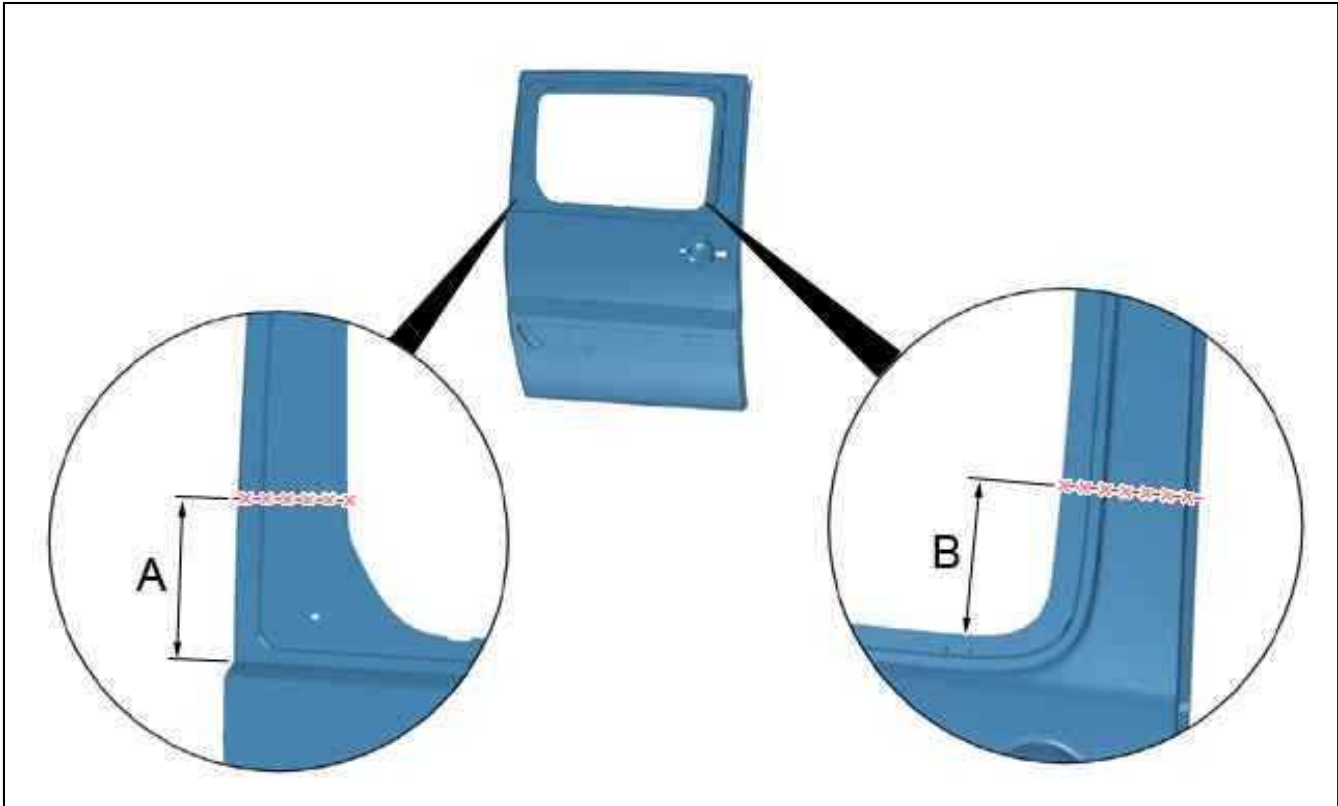


Figure : C4CP2HMD

Mark then cut the glazed sliding side door panel (final cutting).
Prepare the mating edges and protect them using a weldable primer .

4. Cutting out

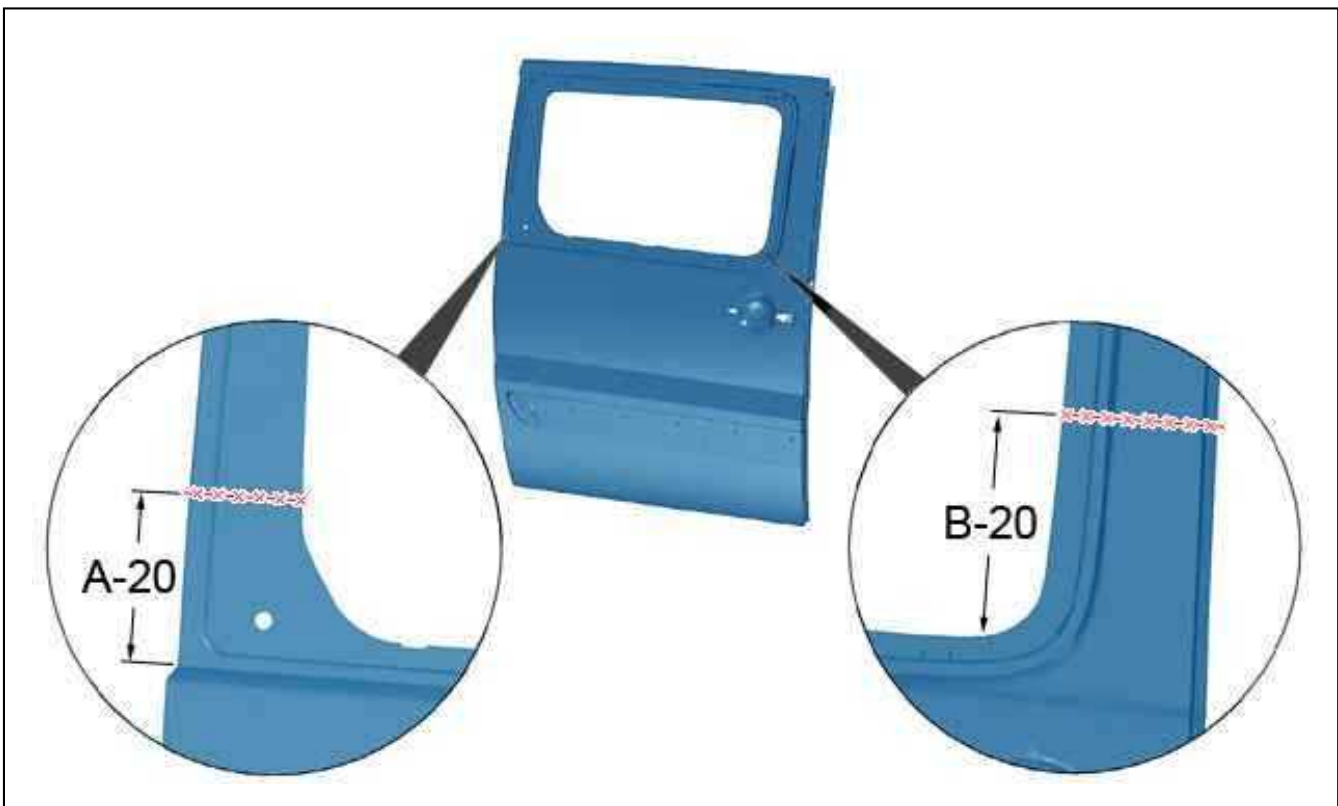


Figure : C4CP2HND

Mark then cut the glazed sliding side door panel .

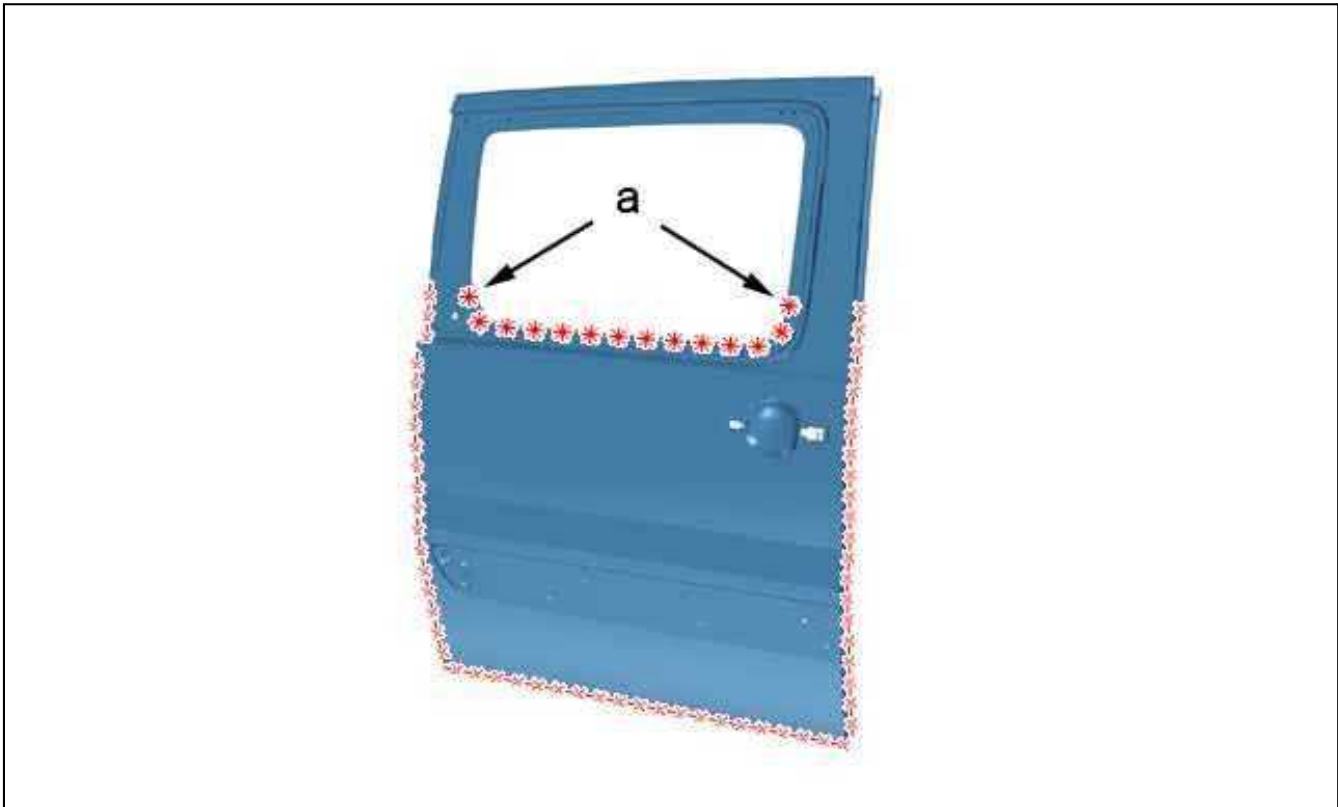


Figure : C4CP2HPD

Figure 4.

Cut :

- The spotwelds (at "a")
- The partial glazed sliding side door panel

Detach the partial glazed sliding side door panel .

Remove the partial glazed sliding side door panel .



Figure : C4CP2HQD

Cut out the spot welds (at "b").

Remove the glazed sliding door side impact strengthener .

5. Bodywork cleaning and preparation

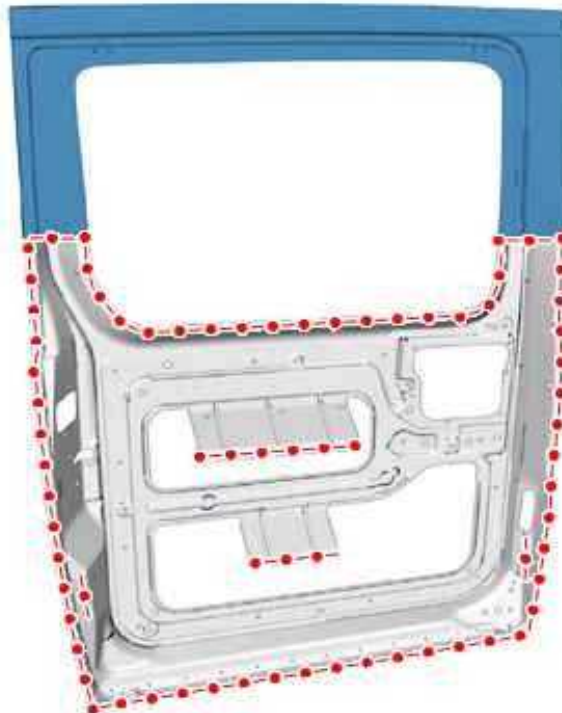


Figure : C4CP2HRD

Align the mating edges and protect them with a weldable primer.

6. Adjustment

Fit :

- The glazed sliding door side impact strengthener
- The partial glazed sliding side door panel

Check the fit, mark and rework the cutting lines.

7. Welding

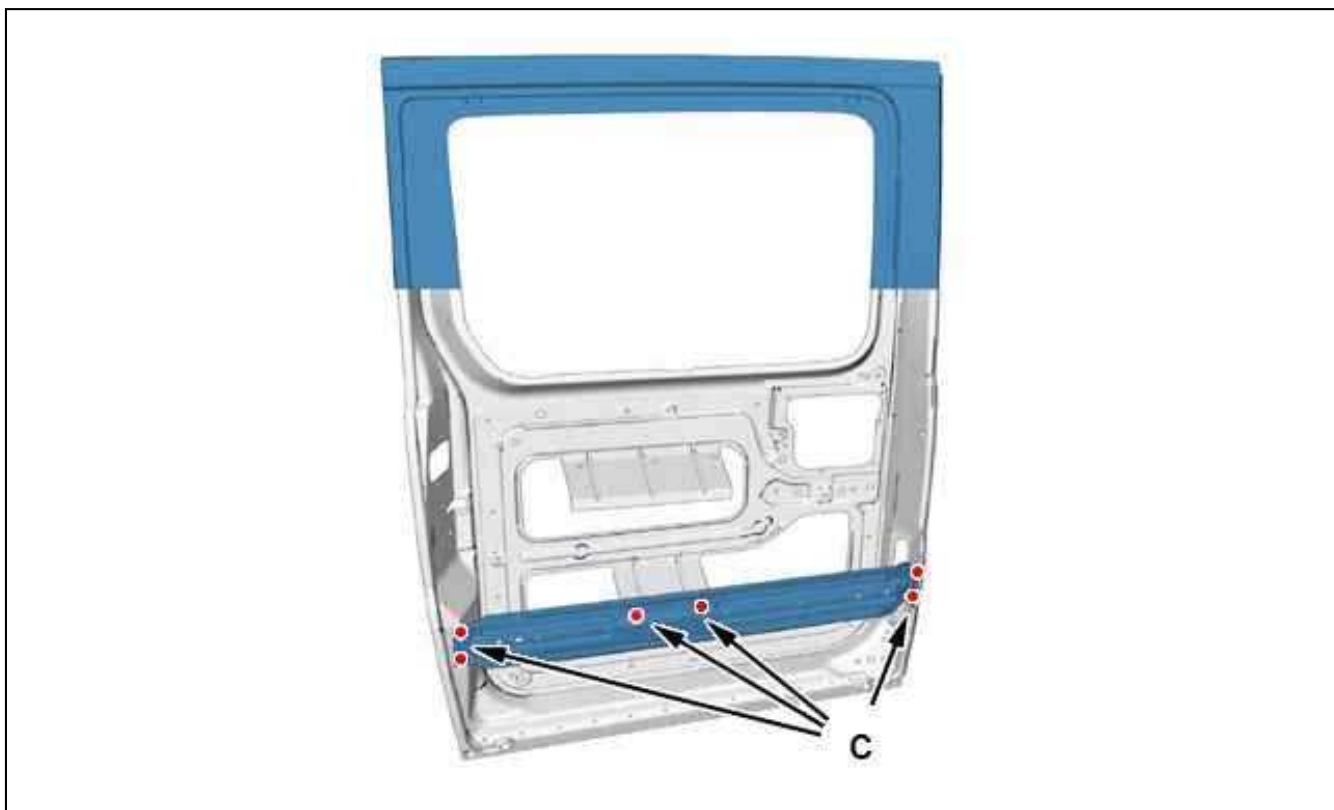


Figure : C4CP2N6D

Fit the sliding door side impact strengthener.

Weld with electric spot welds (at "c").

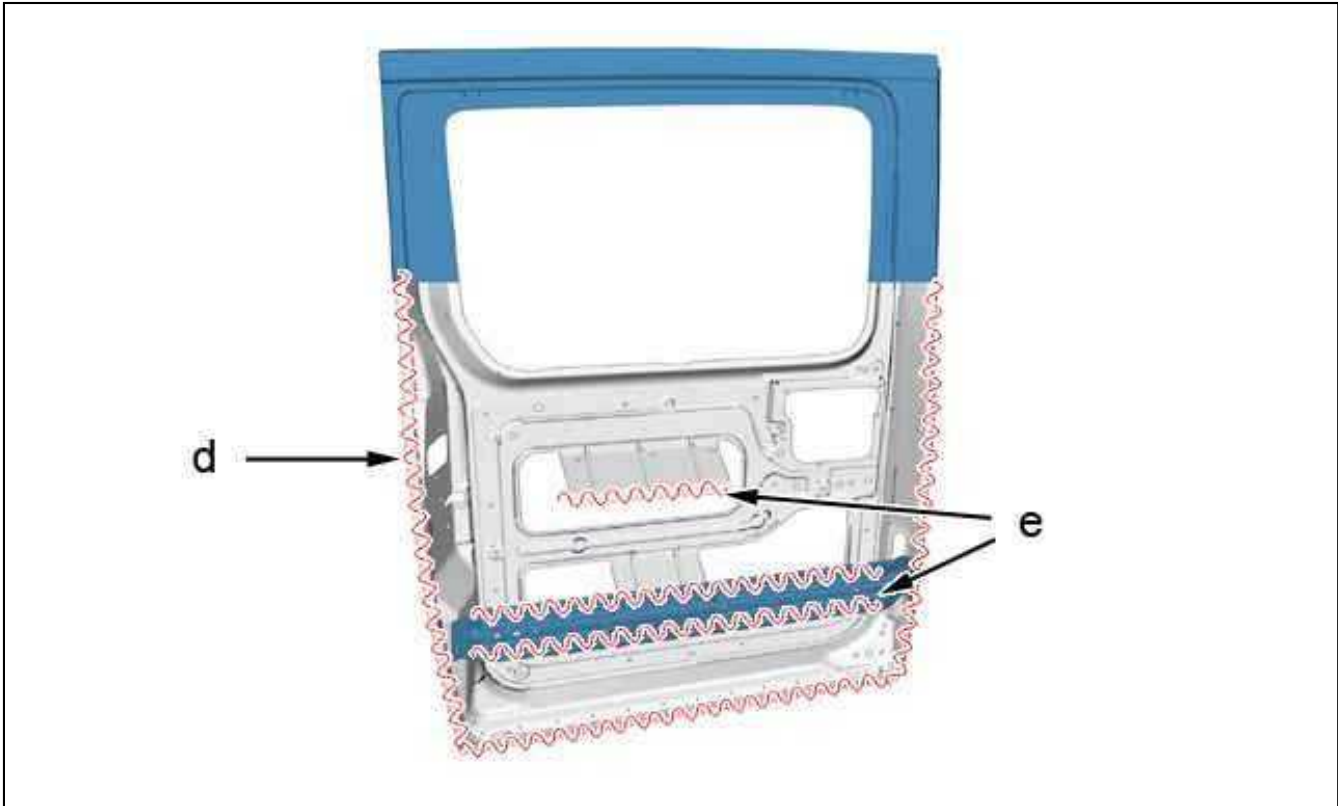


Figure : C4CP2HSD

Apply :

- An index "A2" shimming adhesive on the side impact strengthener (at "e")
- An index "B8" structural adhesive to the edge of the glazed sliding side door (at "d")

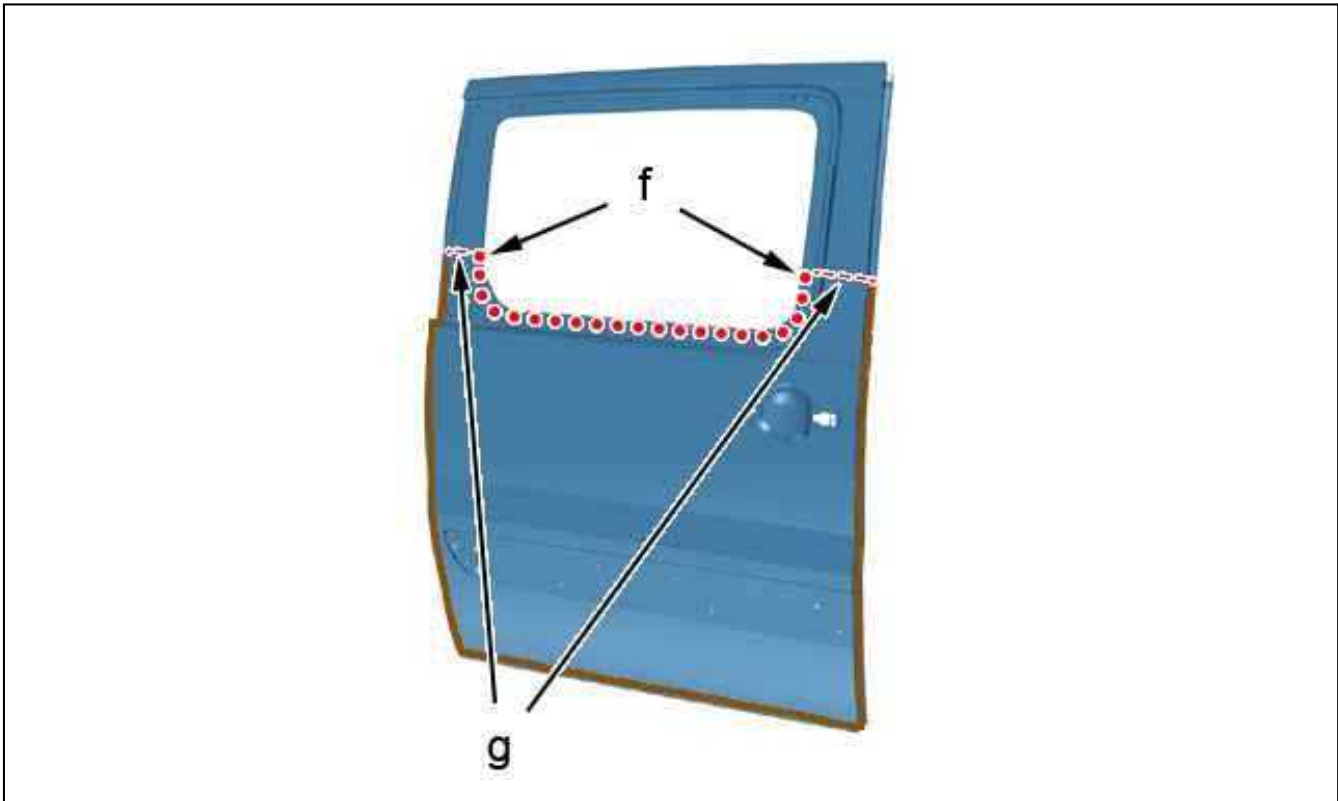


Figure : C4CP2HTD

Fit the glazed sliding side door panel .

Crimp the partial glazed sliding side door panel .

Weld with electric spot welds (at "f").

Weld by MAG bead (at "g").

Grind the MAG weld beads.

8. Sealing protection



Figure : C4CP2HUD

Apply a finish putty index "A1".

Paint then spray in the hollow sections of the product index C5.

9. Reinitialisation

Carry out the additional operations.

STRIPPING-ASSEMBLING : THE SIDE SLIDING DOOR (VAN VERSION)

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Recommended tools

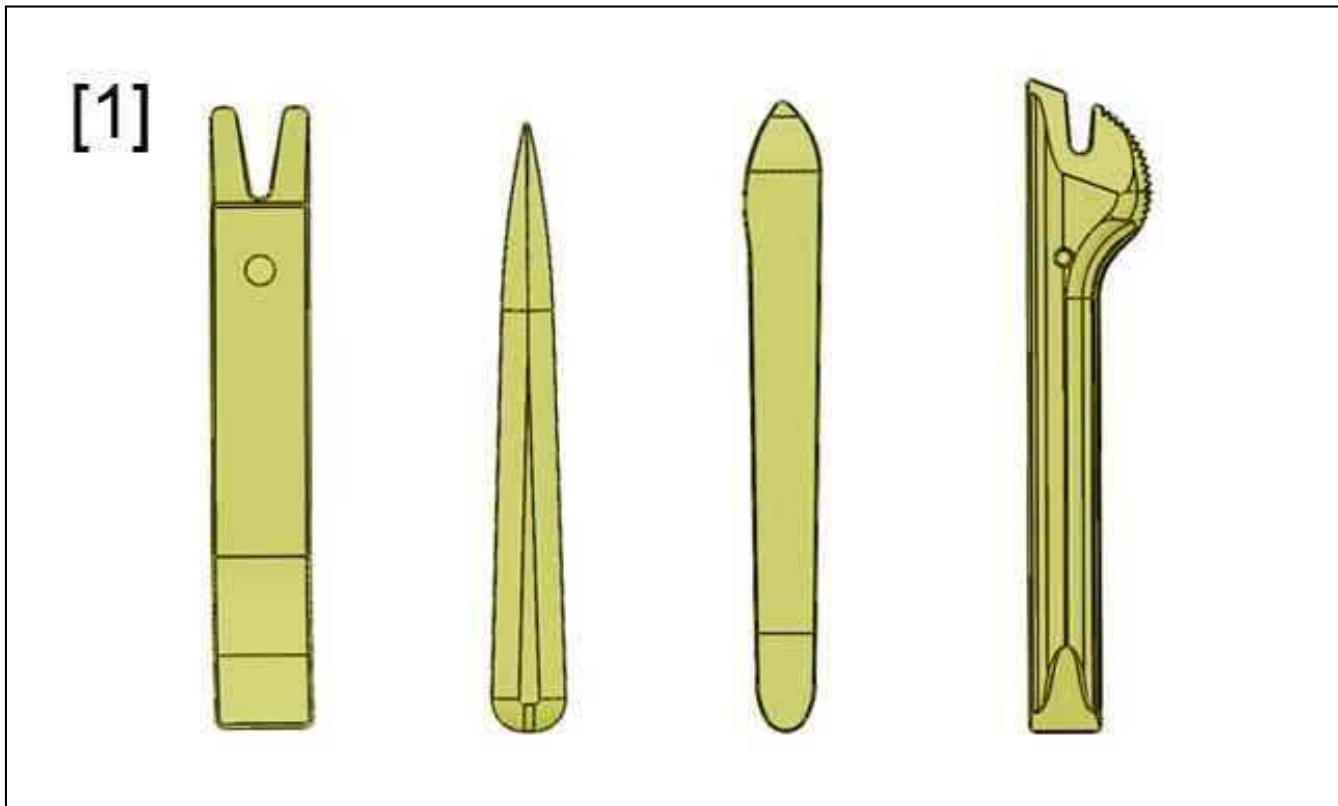


Figure : E5AP30WD

[1] Stripping tools (-).1350-ZZ.

2. Preliminary operation

Perform the following operations :

- Remove the ignition key
- Wait at least 3 minutes before disconnecting the battery
- Disconnect the battery negative terminal

Remove :

- The sliding side door ⓘ
- The sliding door window ⓘ (according to equipment) ⓘ

3. Stripping

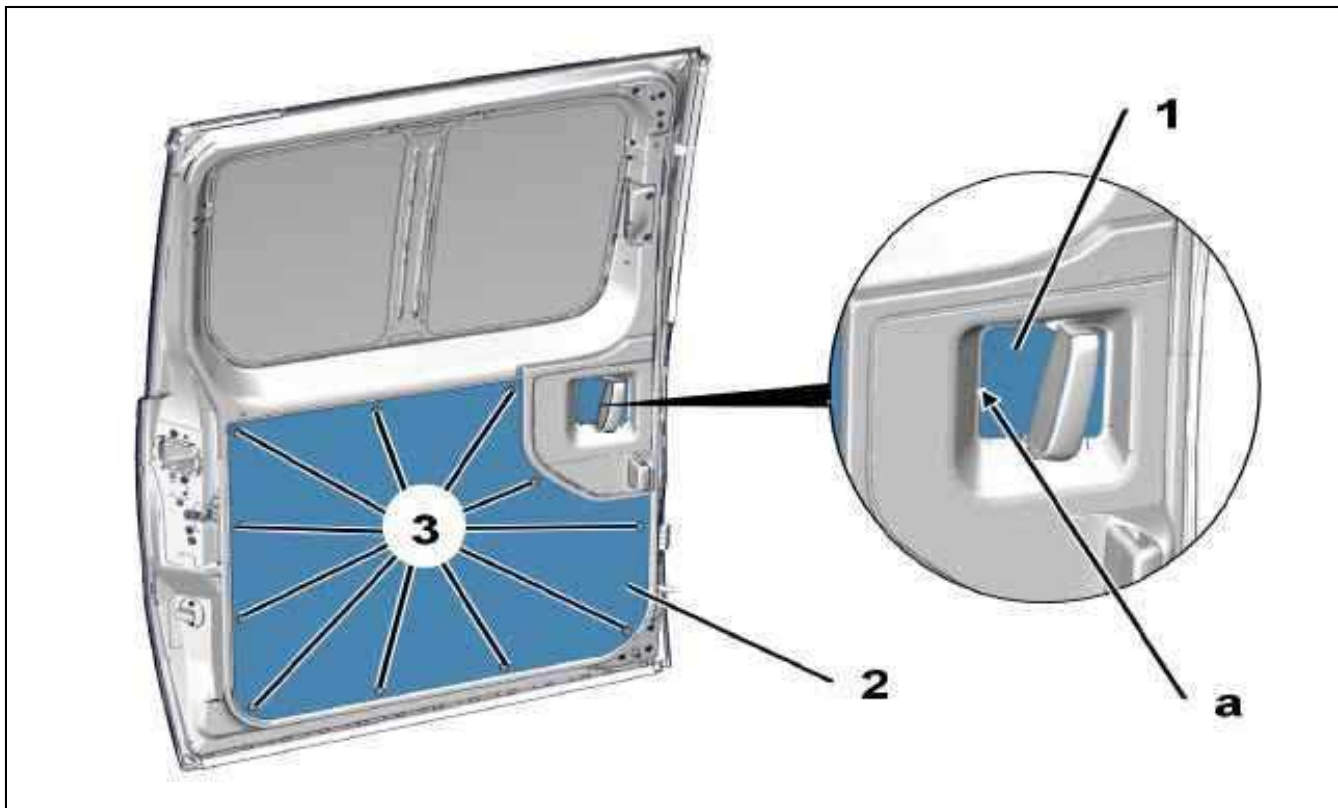


Figure : C4CP2L7D

Unclip the cover (1) (at "a") ; Using tool [1].

Remove the cover (1).

Unclip the sliding side door panel (2) clips (3) ; Using tool [1].

Remove the sliding side door panel (2).

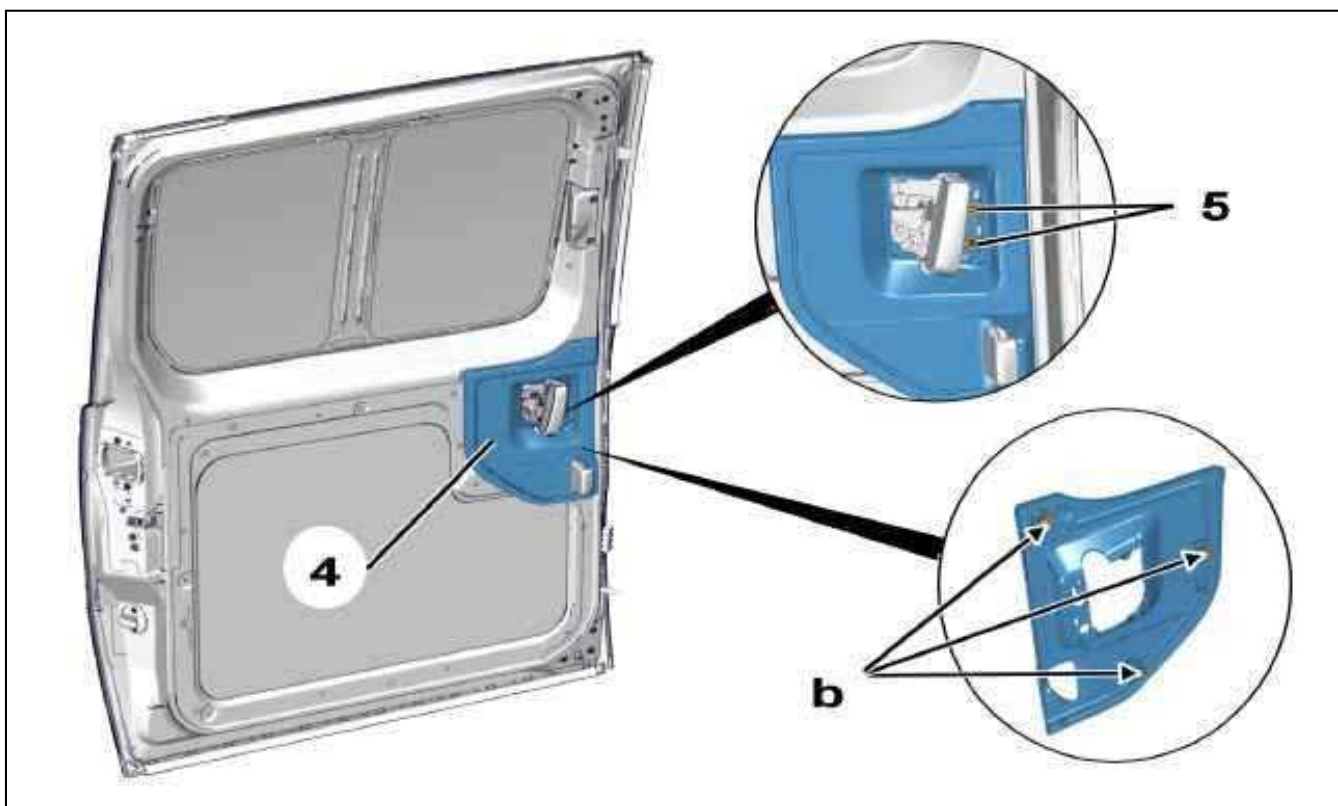


Figure : C4CP2L8D

Remove the bolts (5).

Unclip the trim (4) (at "b") ; Using tool [1].

Remove the trim (4).

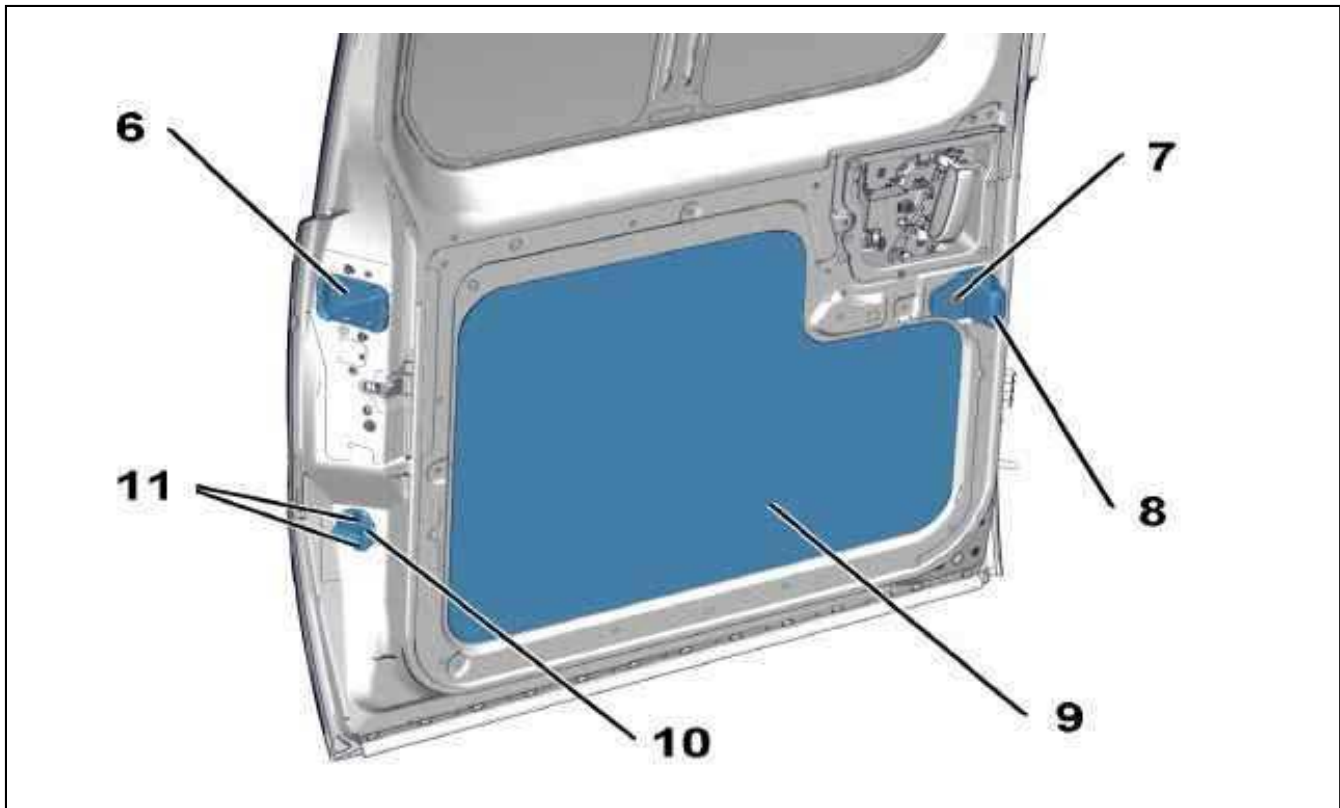


Figure : C4CP2L9D

Remove :

- Seal (6)
- The (7) bolt
- The stop (8)
- The bolts (11)
- The guide (10)
- The sealing sheet (9)

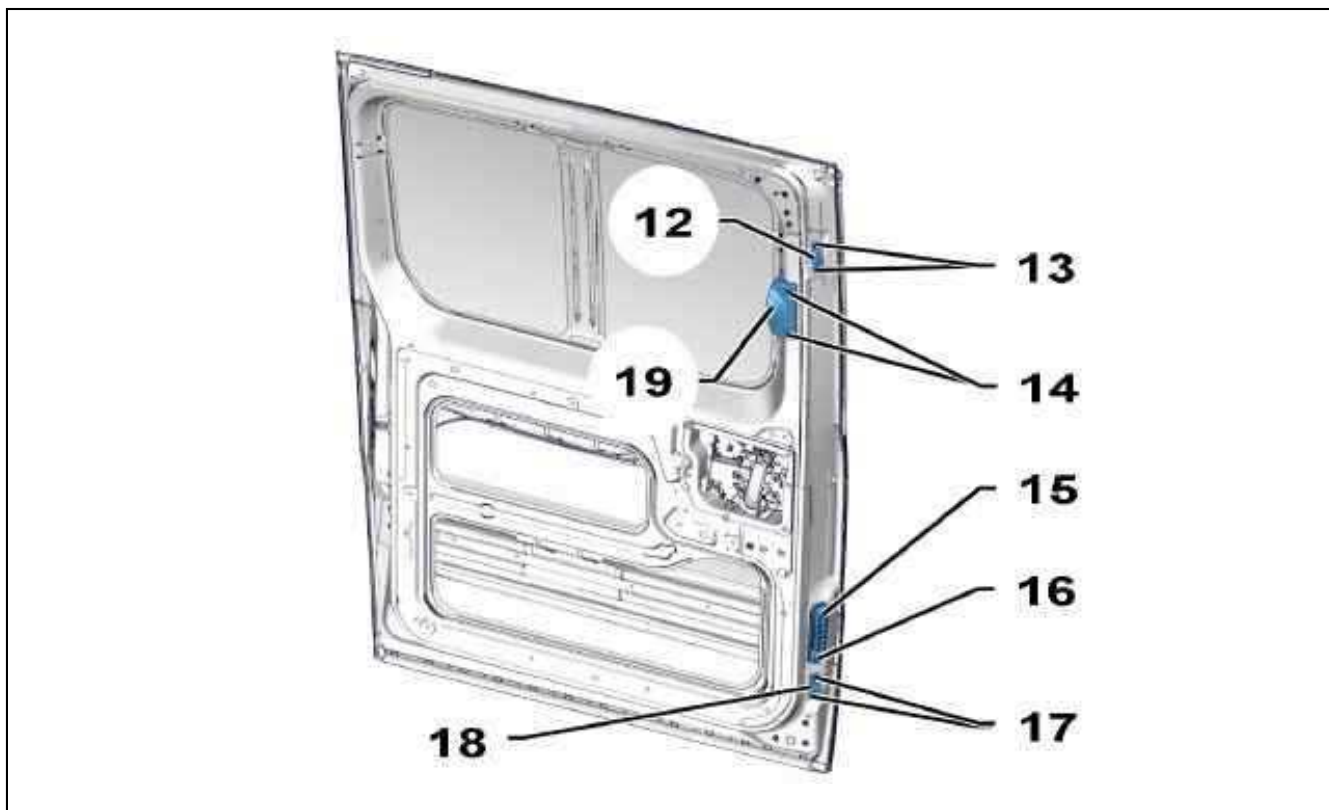


Figure : C4CP2LAD

Remove :

- The 2 bolts (13)
- The guide (12)
- The 2 bolts (14)
- The handle (19)
- The (16) bolt
- The sliding door switch (15)
- The 2 bolts (17)
- The guide (18)

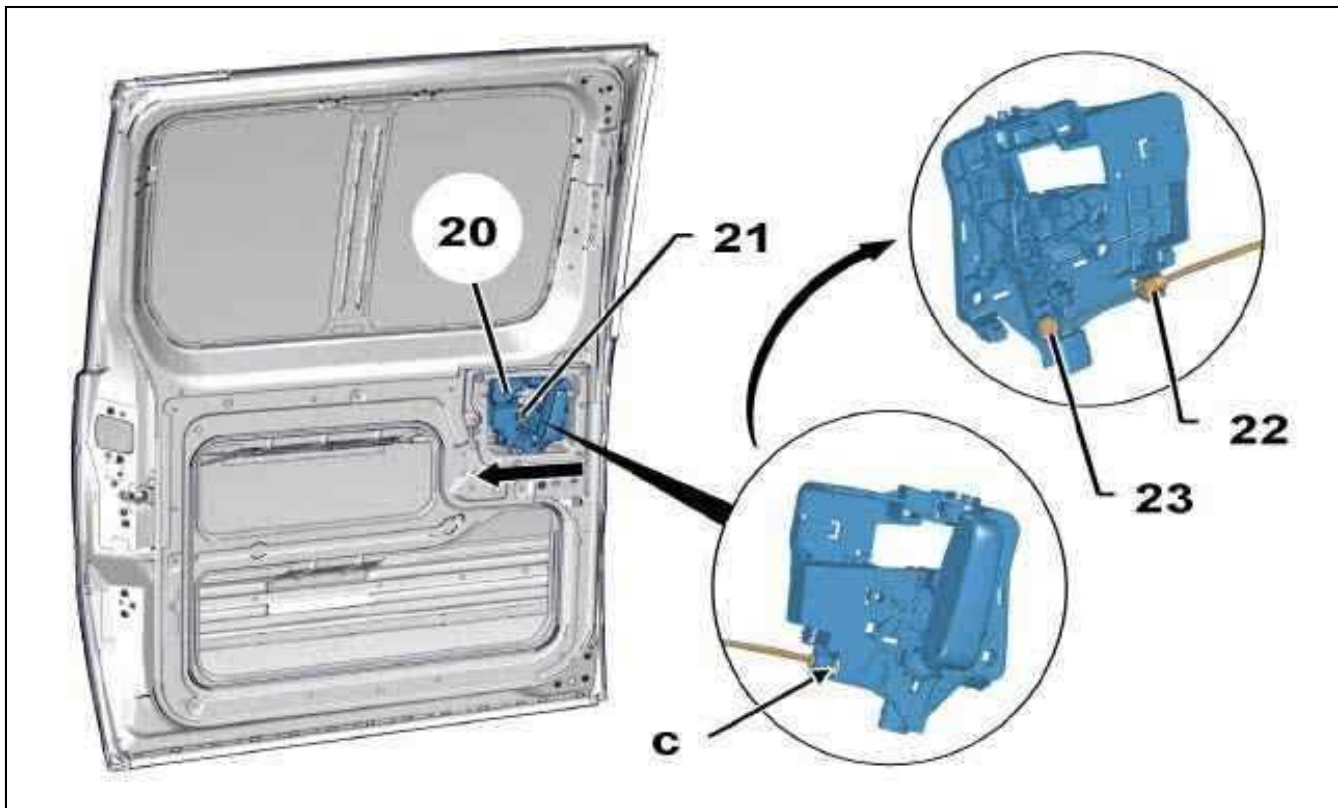


Figure : C4CP2LBD

Remove bolts (21).

Disengage the interior handle control (20) (following the arrow).

Detach the sheath stop (22) (at "c").

Remove :

- The cable (23)
- The interior handle (20)

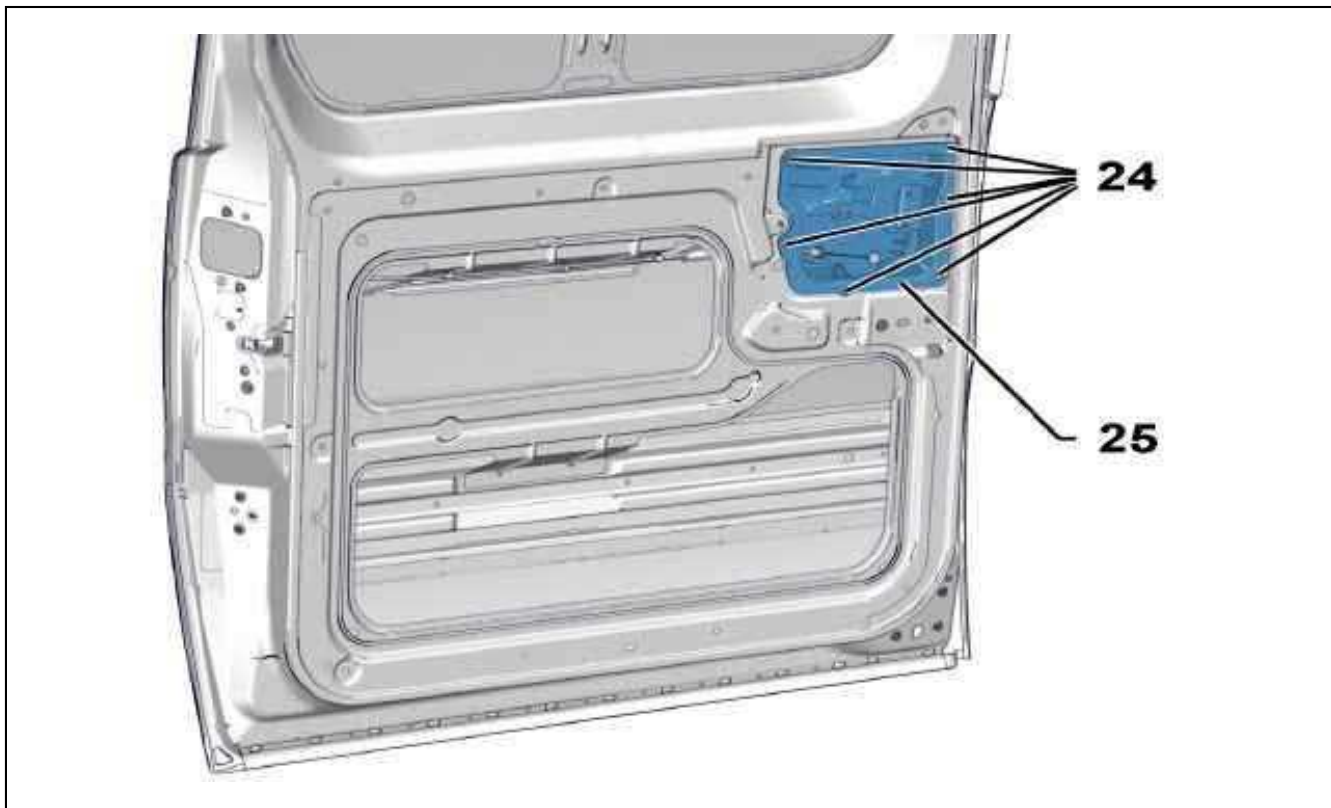


Figure : C4CP2LCD

Drift out the rivet studs before drilling out.

Drill out the rivet heads (24) ; Using a drill with a 6 mm dia. bit.

Remove the interior handle control support (25).

Drill the bodies of the remaining rivets.

Vacuum out the bottom of the door to extract the rivet waste.

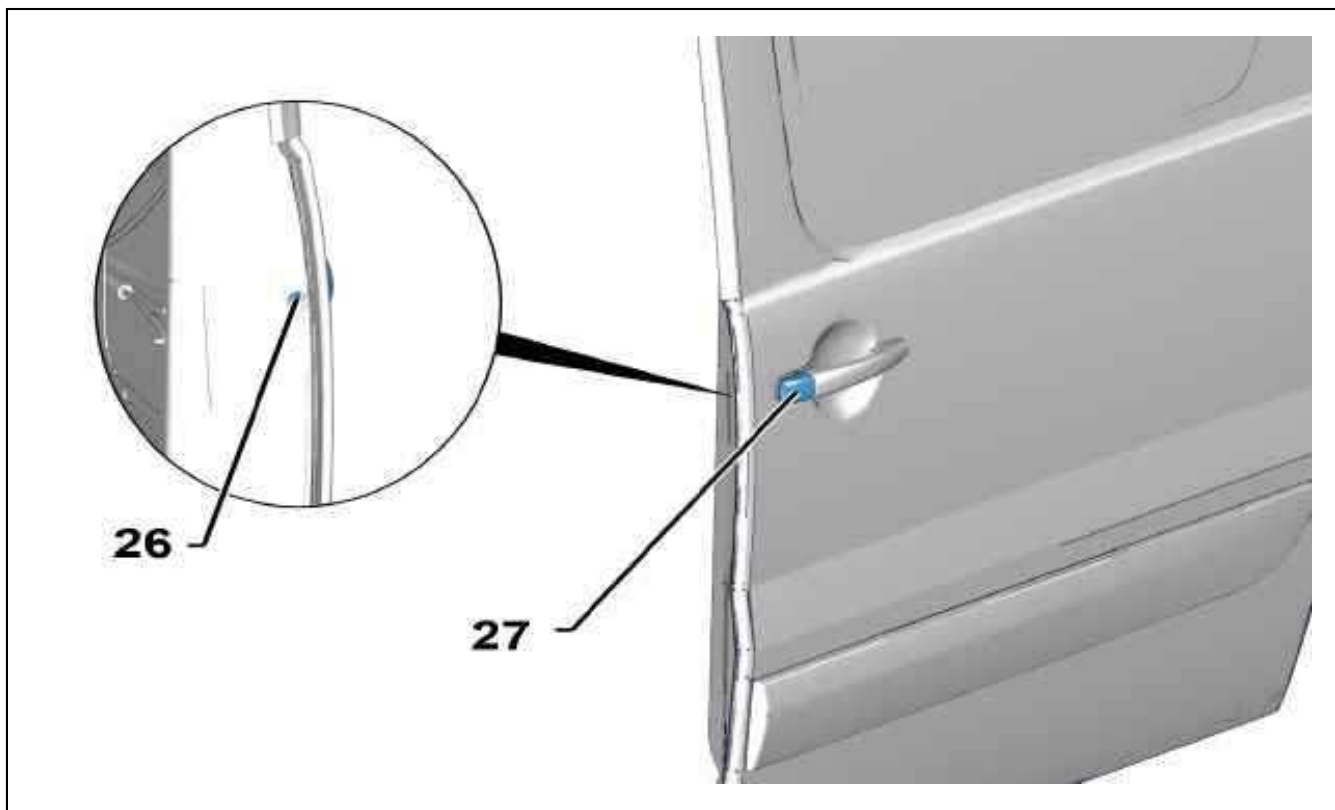


Figure : C4CP2LDD

Slacken the bolt (26).
Unclip the trim (27) ; Using tool [1].
Remove the trim (27).

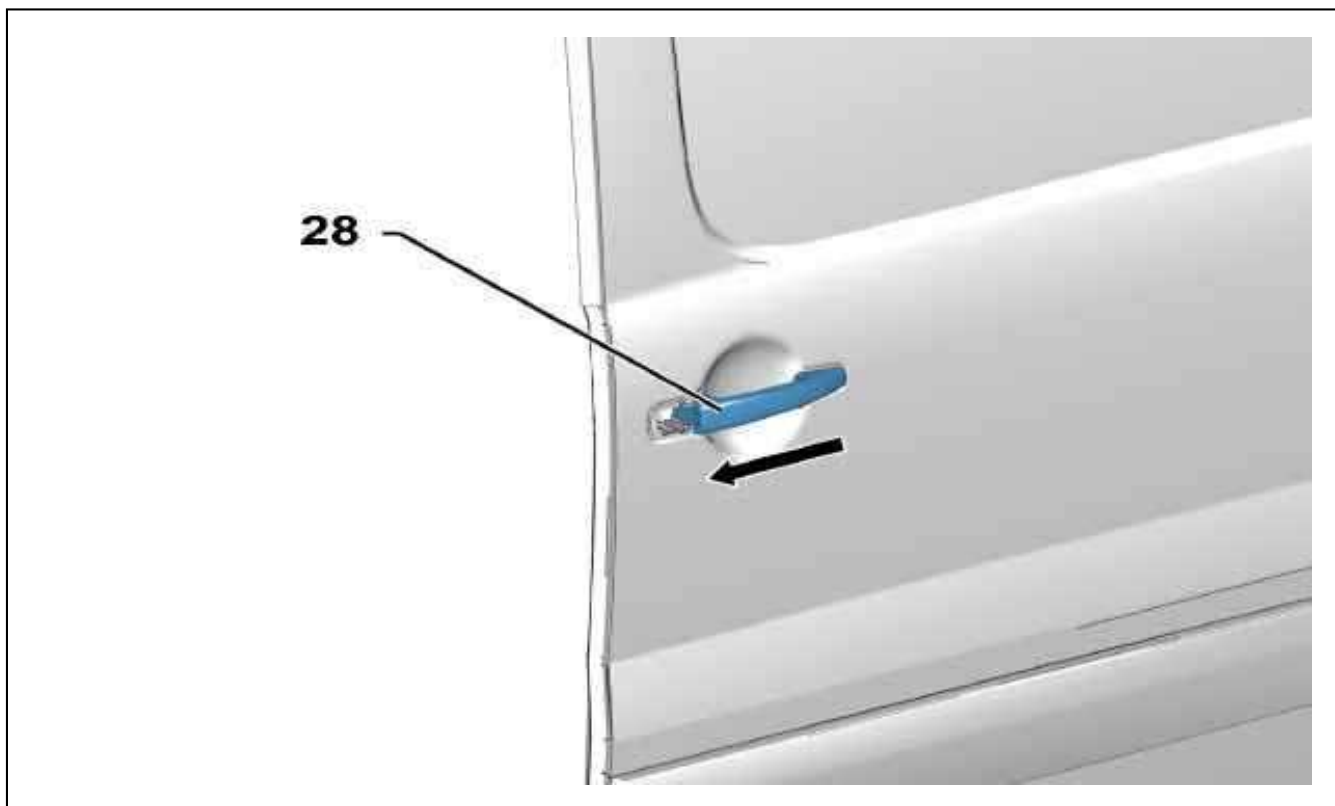


Figure : C4CP2LED

Open the exterior handle (28) (Maximum).

Remove the exterior handle (28) towards the front of the sliding door (following the arrow).

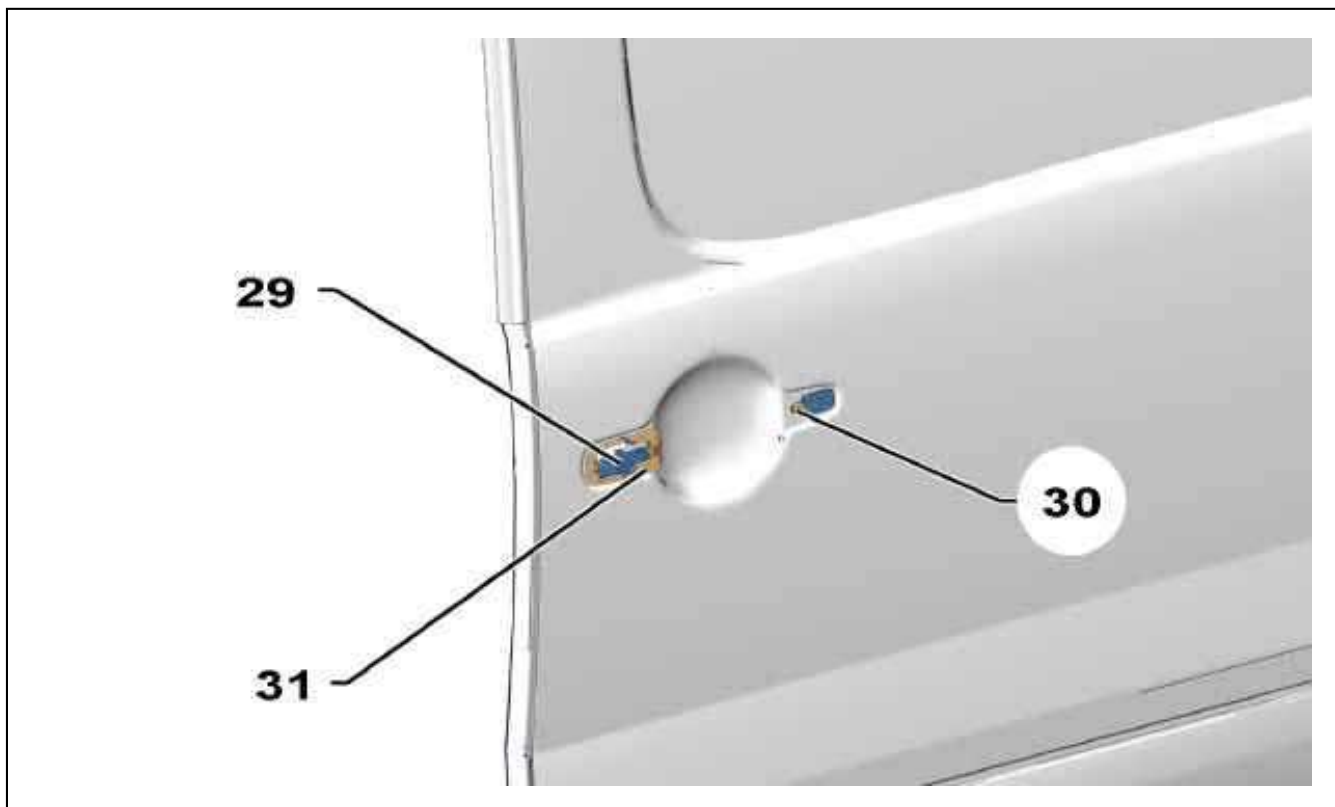


Figure : C4CP2LFD

Remove :

- Seal (31)
- The (30) bolt

Disengage the exterior handle support (29) (Inwards).

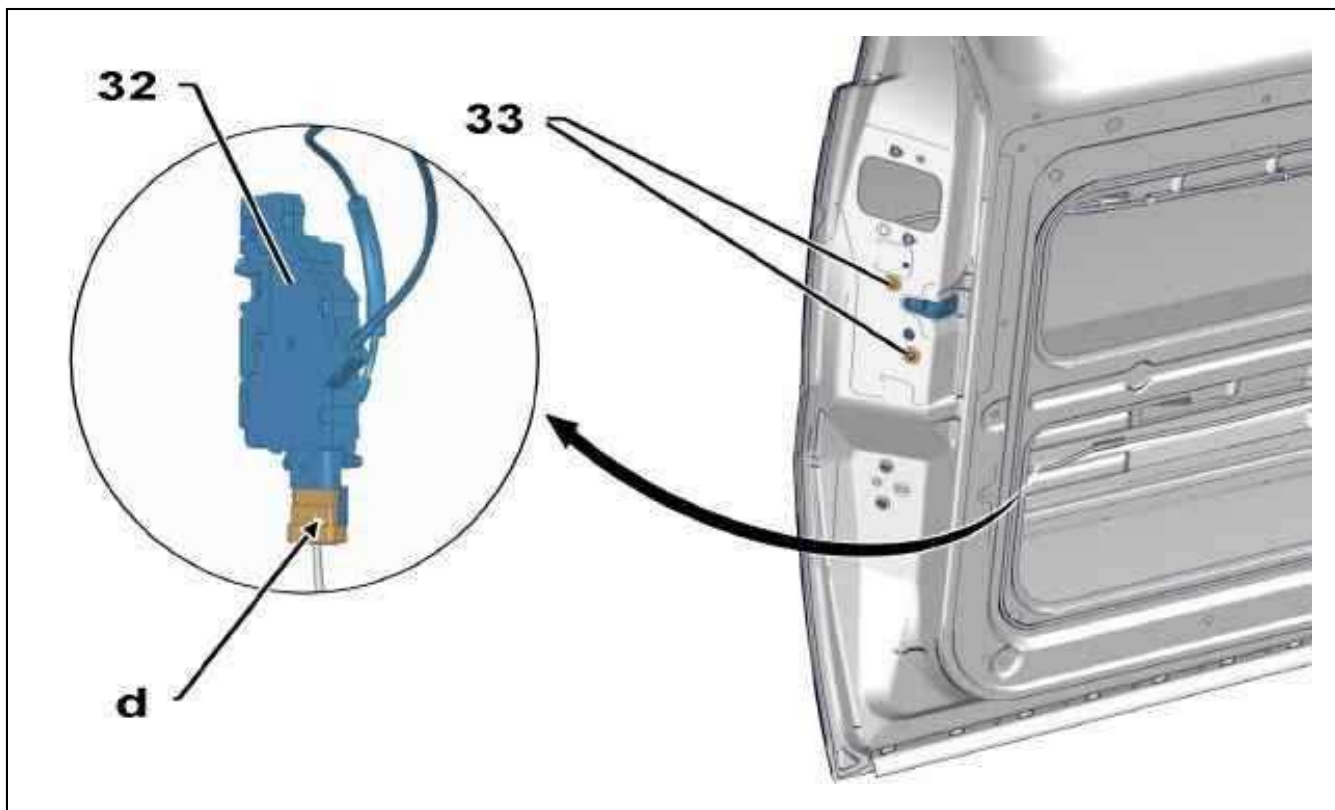


Figure : C4CP2LGD

Remove the bolts (33).
Disengage the lock (32).
Disconnect the connector (at "d").

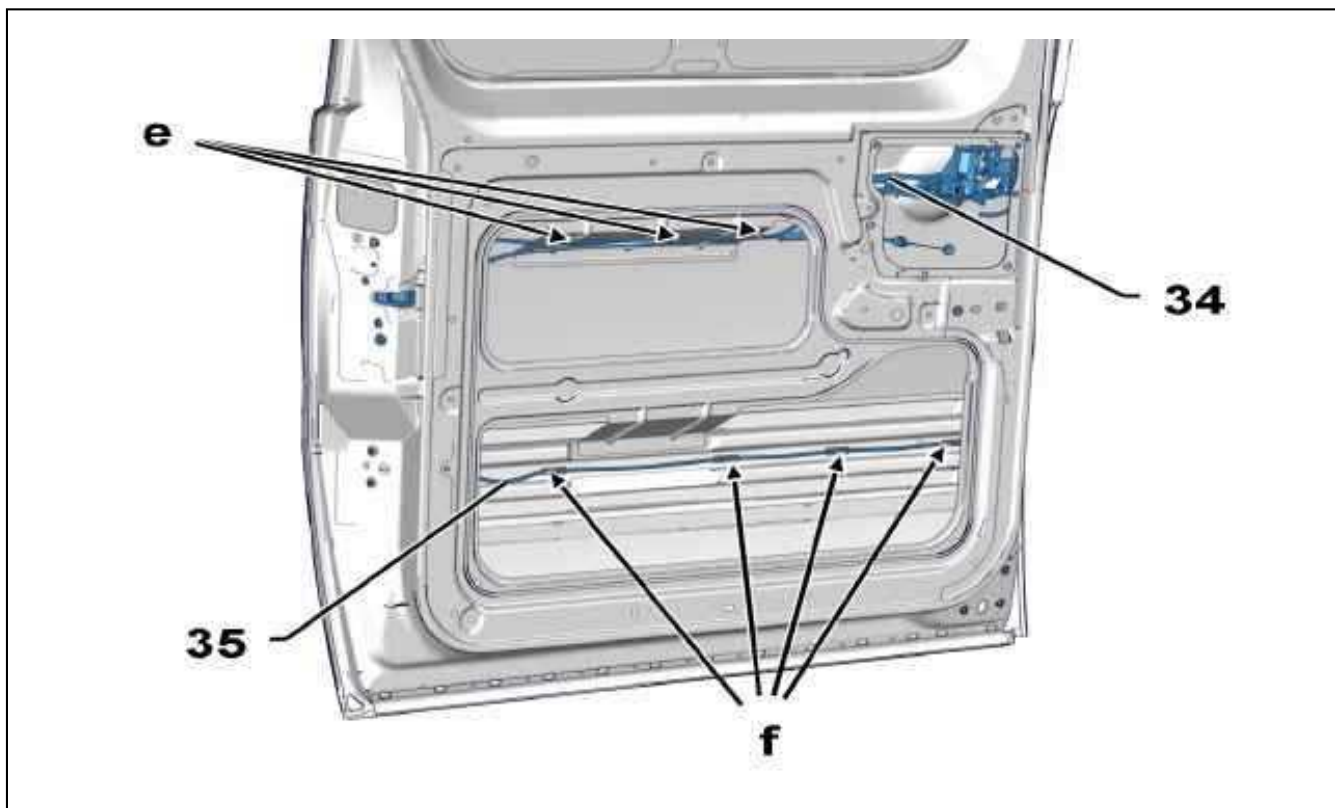


Figure : C4CP2LHD

Unclip the cable guide (at "e") ; Using tool [1].

Remove the lock and interior handle support assembly (34).

Unclip the electrical harness (35) (at "f") ; Using tool [1].

Remove the electric harness (35).

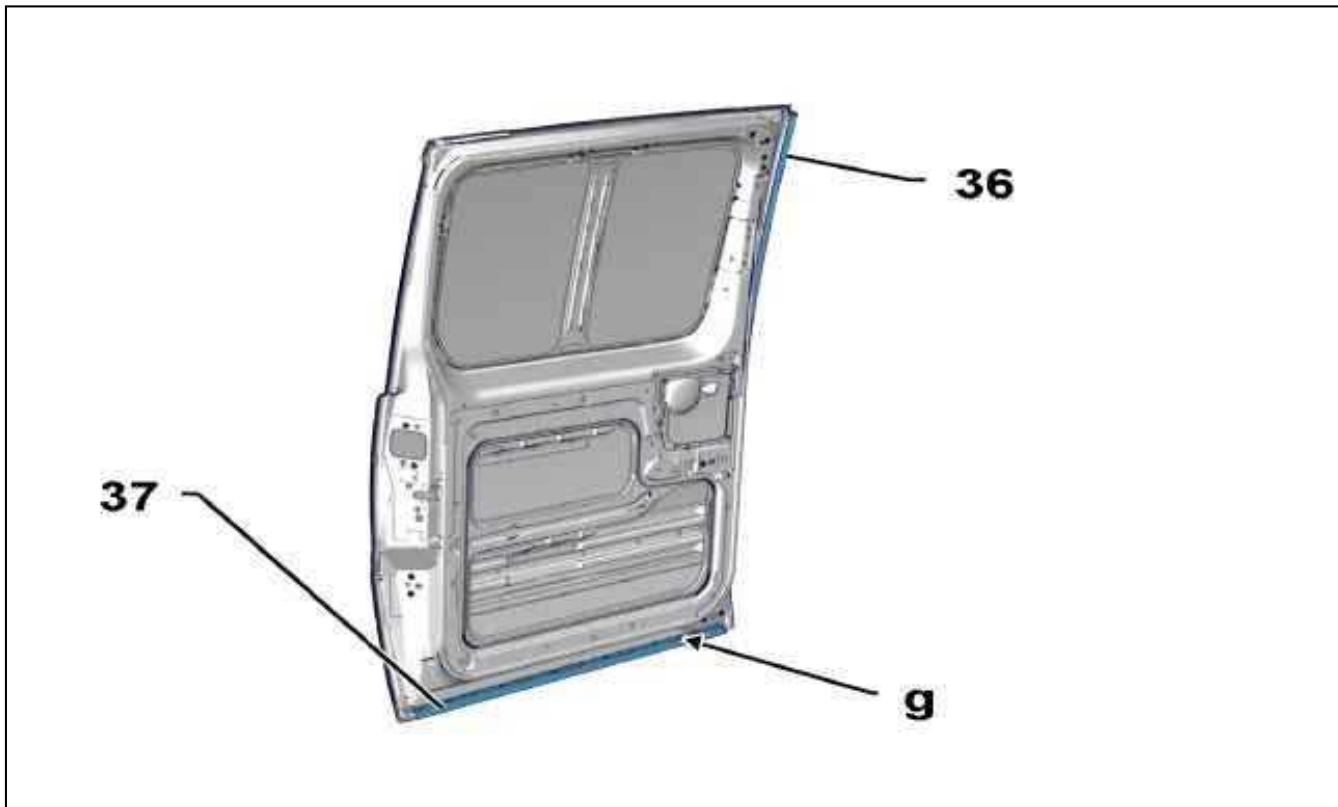


Figure : C4CP2LJD

Unclip the 12 clips (at "g").

N.B. : Prepare for the replacement of the clips (if necessary).

Remove :

- The gutter seal (36)
- Seal (35)

N.B. : According to equipment.

4. Re-assembling

Carry out the re-trim operations in the reverse order to the stripping operations.

CAUTION : Perform the operations to be carried out following reconnection of the battery ⓘ.

Check all the equipment works.

STRIPPING - RE-ASSEMBLING : THE SIDE SLIDING DOOR (COMBI VERSION)

ESSENTIAL : Observe the safety and cleanliness recommendations.

1. Recommended tools

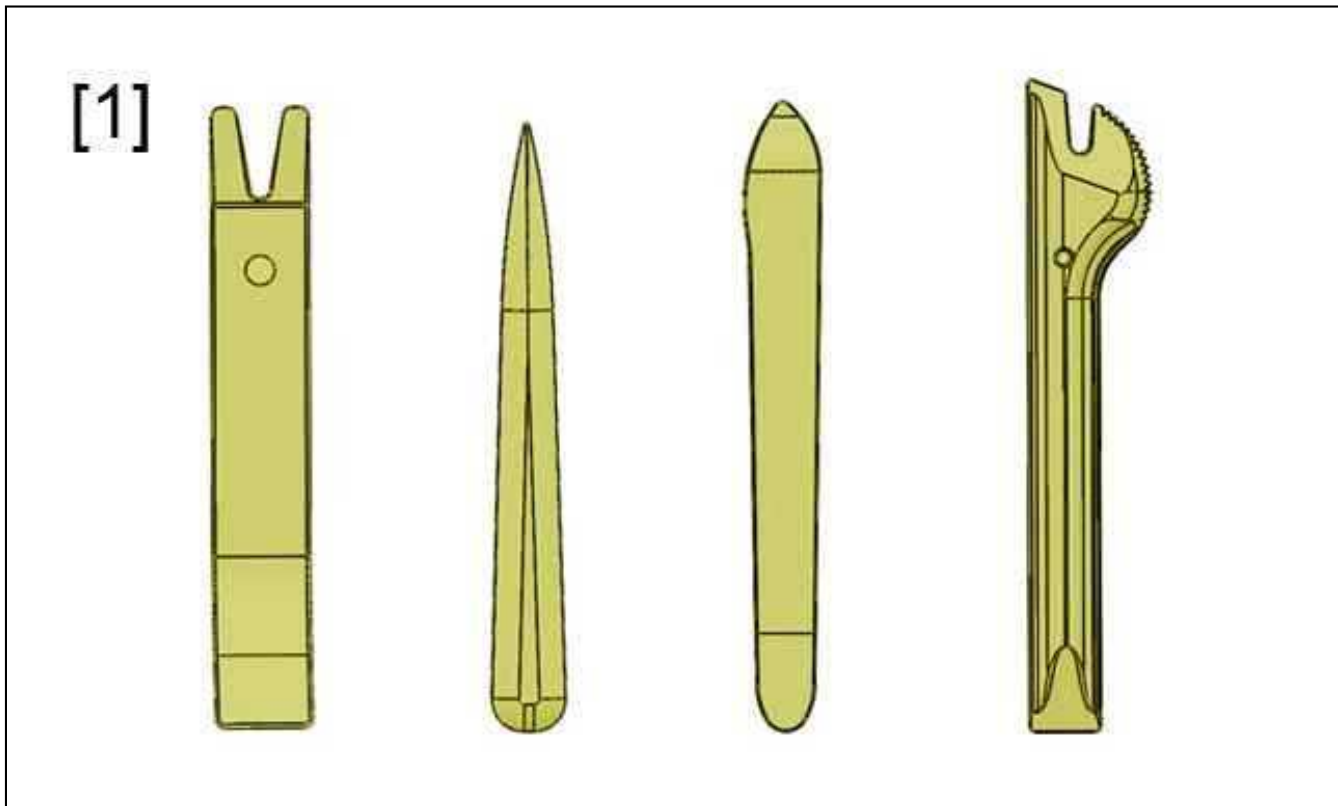


Figure : E5AP30WD

[1] Stripping tools (-).1350-ZZ.

2. Preliminary operation

Perform the following operations :

- Remove the ignition key
- Wait at least 3 minutes before disconnecting the battery
- Disconnect the battery negative terminal

3. Stripping

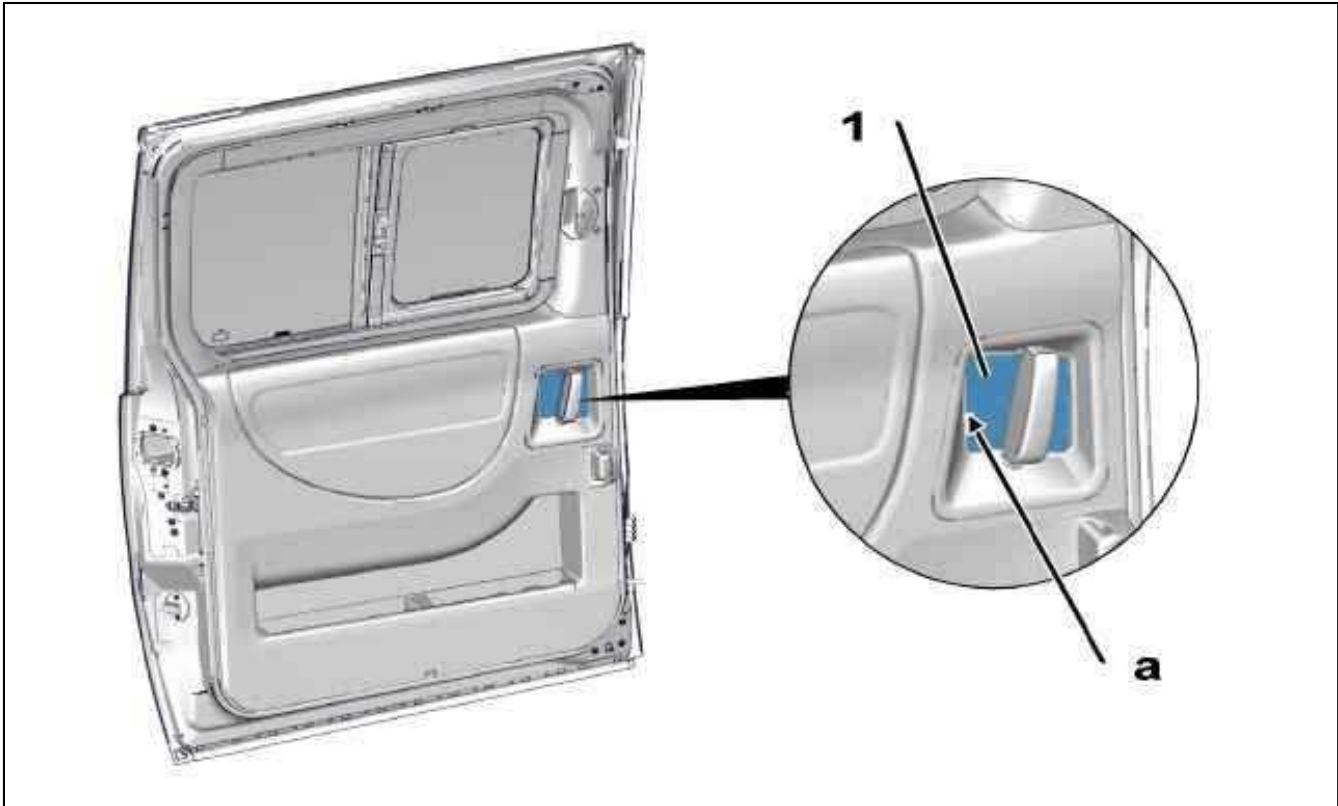


Figure : C4CP2LKD

Unclip the cover (1)(at " a") ; Using tool [1].
Remove the cover (1).

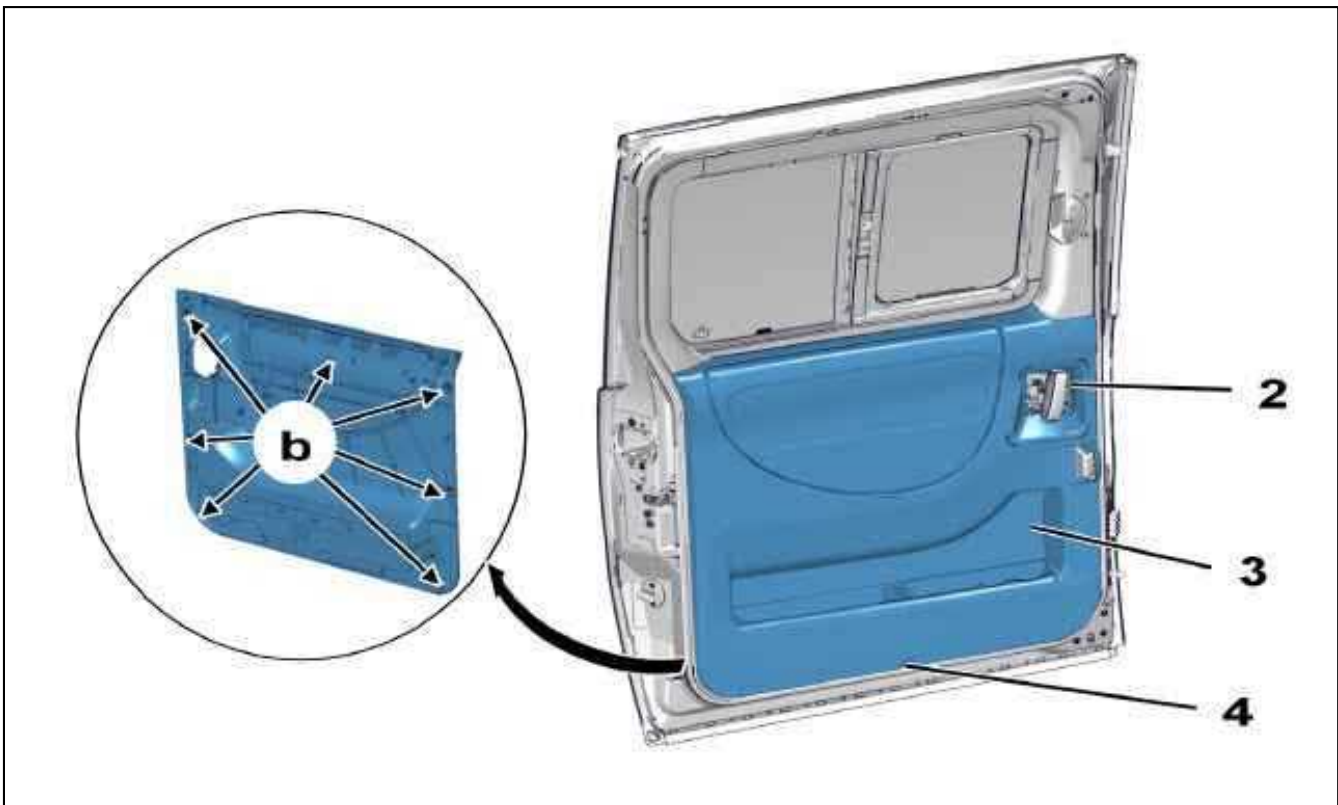


Figure : C4CP2LLD

Remove the bolts (2), (4).

Unclip the interior trim (3)(at " b") ; Using tool [1].

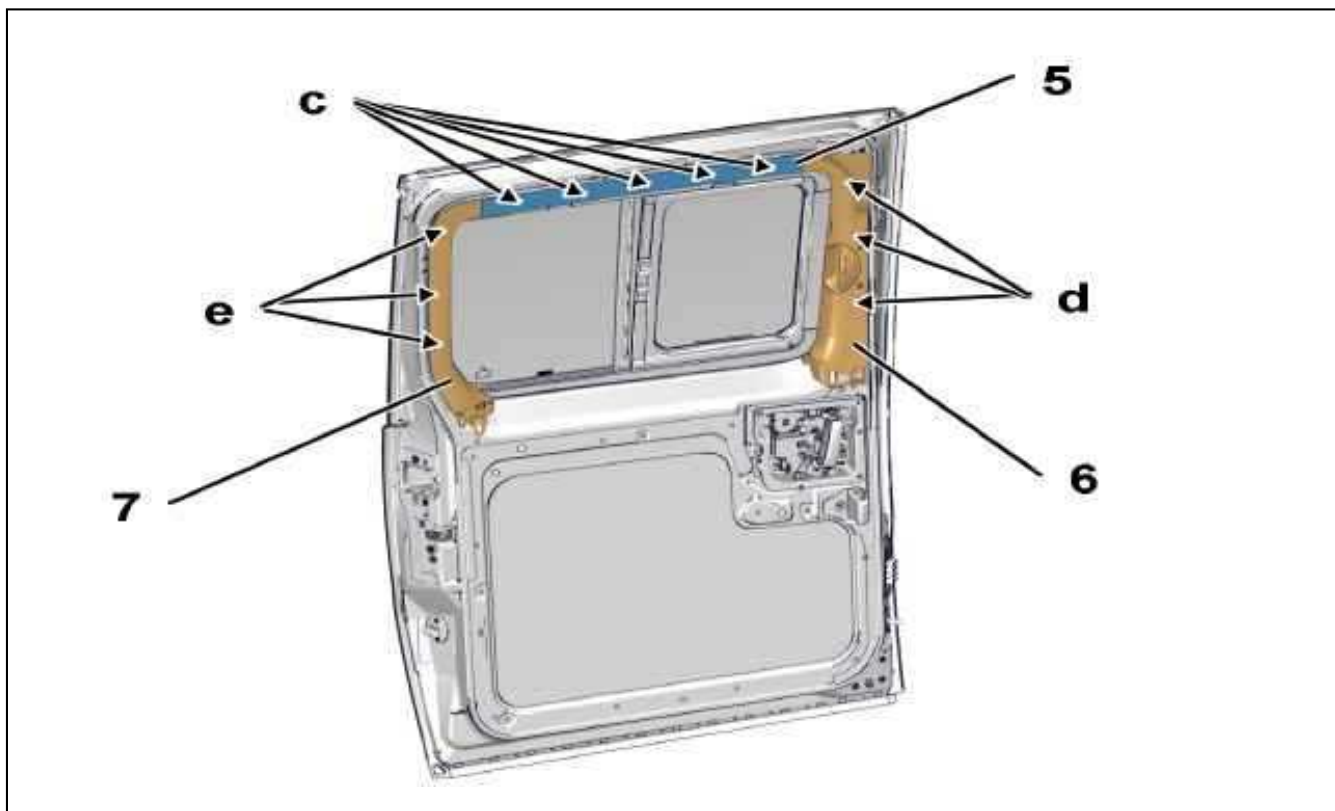


Figure : C4CP2LMD

Unclip the trim (5)(at " c").

Remove the trim (5).

Unclip the trim (6)(at " d").

Remove the trim (6).

Unclip the trim (7)(at " e").

Remove :

- The sliding side door ⓘ
- The sliding side door window ⓘ (according to equipment) ⓘ

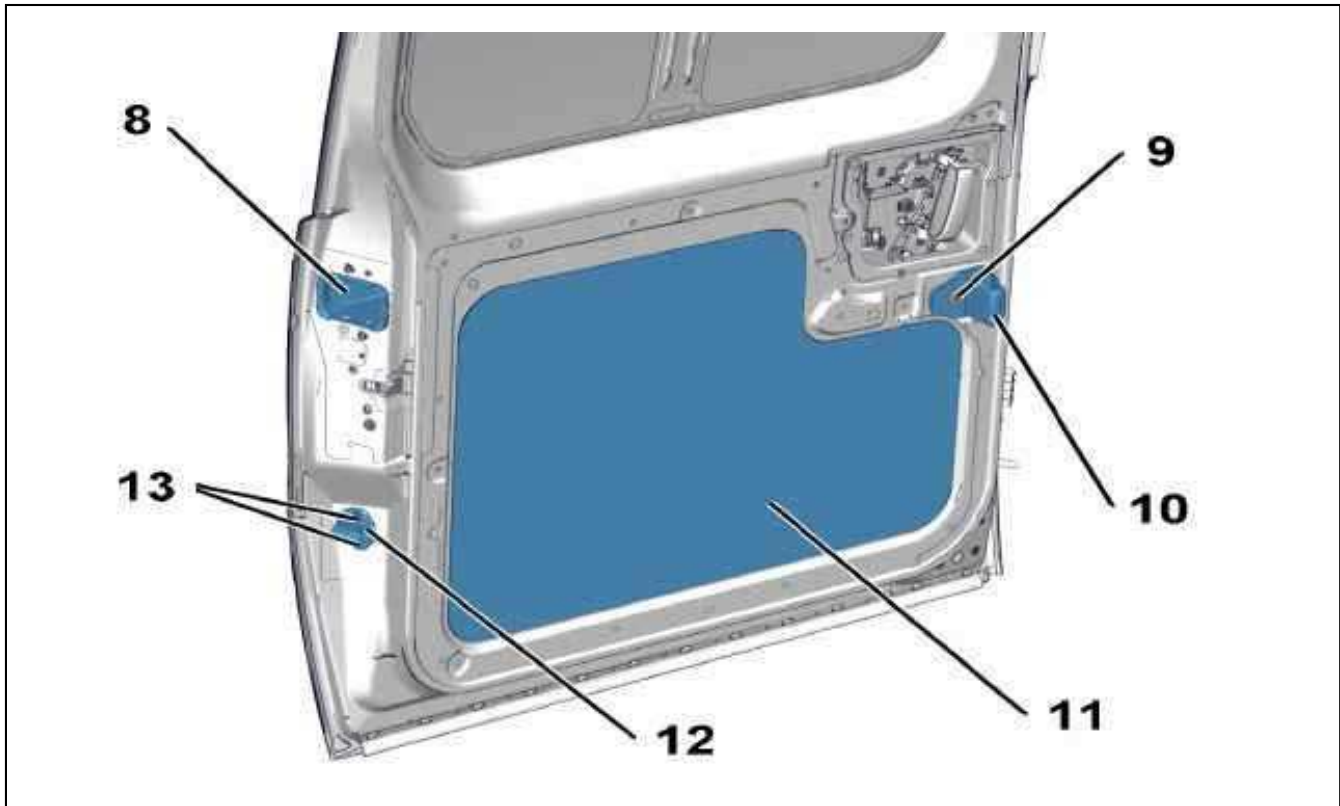


Figure : C4CP2LND

Remove :

- Seal (8)
- The (9) bolt
- The stop (10)
- The bolts (13)
- The guide (12)
- The sealing sheet (11)

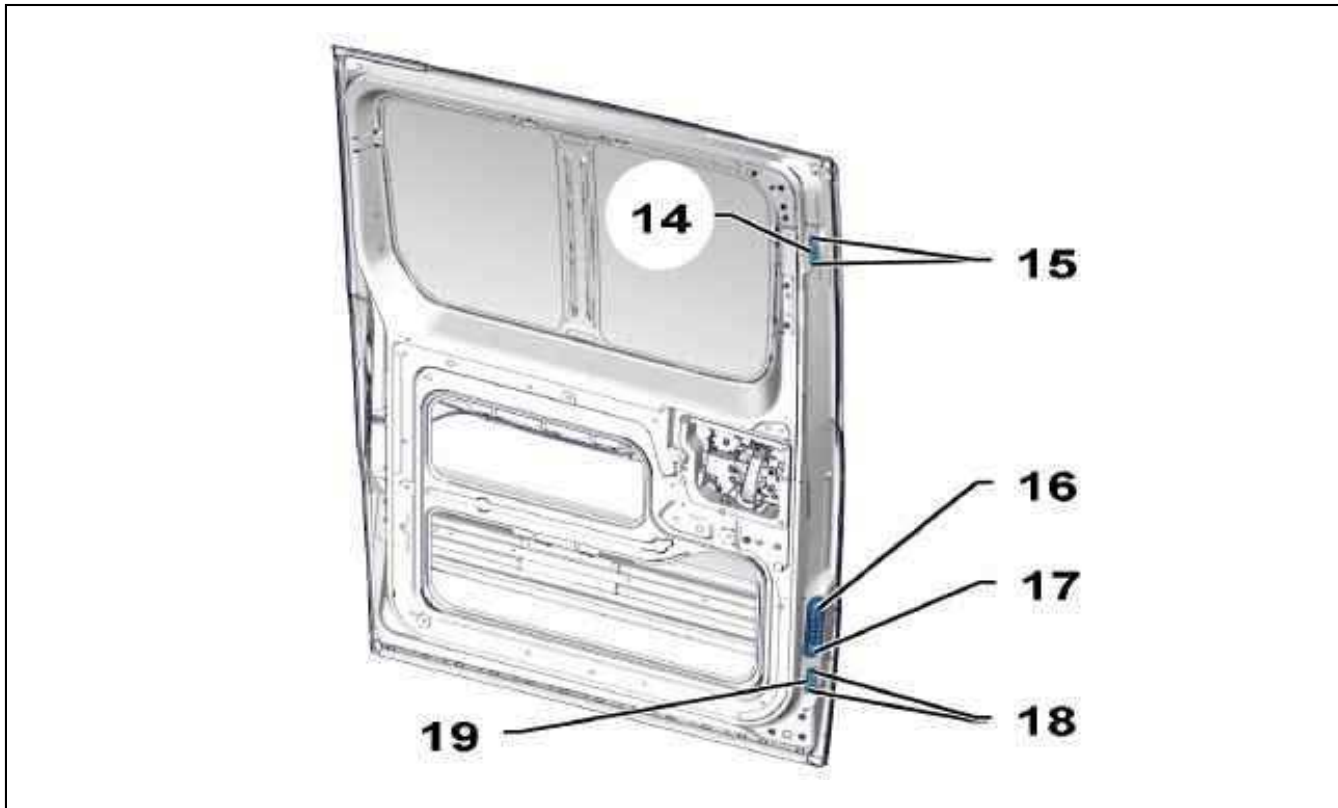


Figure : C4CP2LPD

Remove :

- The 2 bolts (15)
- The guide (14)
- The (17) bolt
- The sliding door switch (16)
- The 2 bolts (18)
- The guide (19)

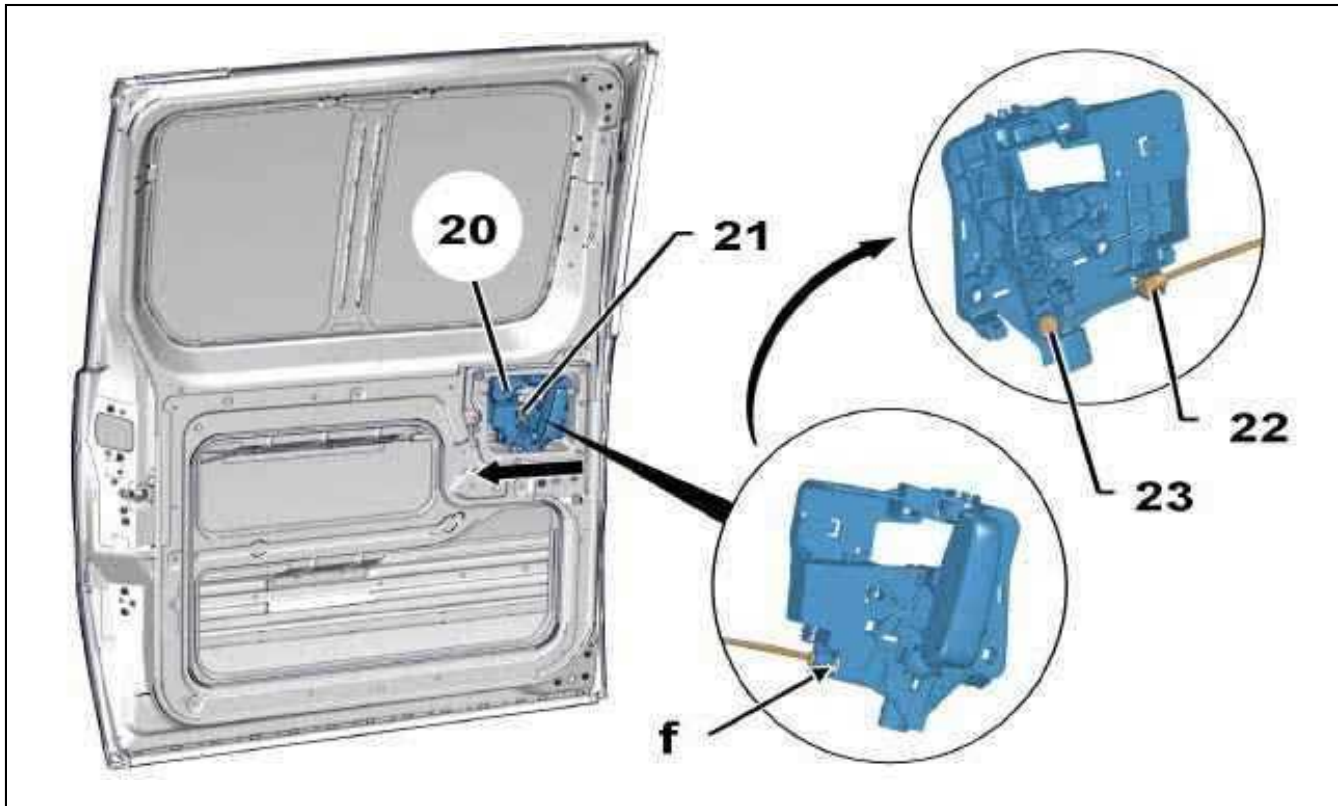


Figure : C4CP2LQD

Remove bolts (21).

Disengage the interior handle control (20)(following the arrow).

Detach the sheath stop (22) (at " f").

Remove :

- The cable (23)
- The interior handle control (20)

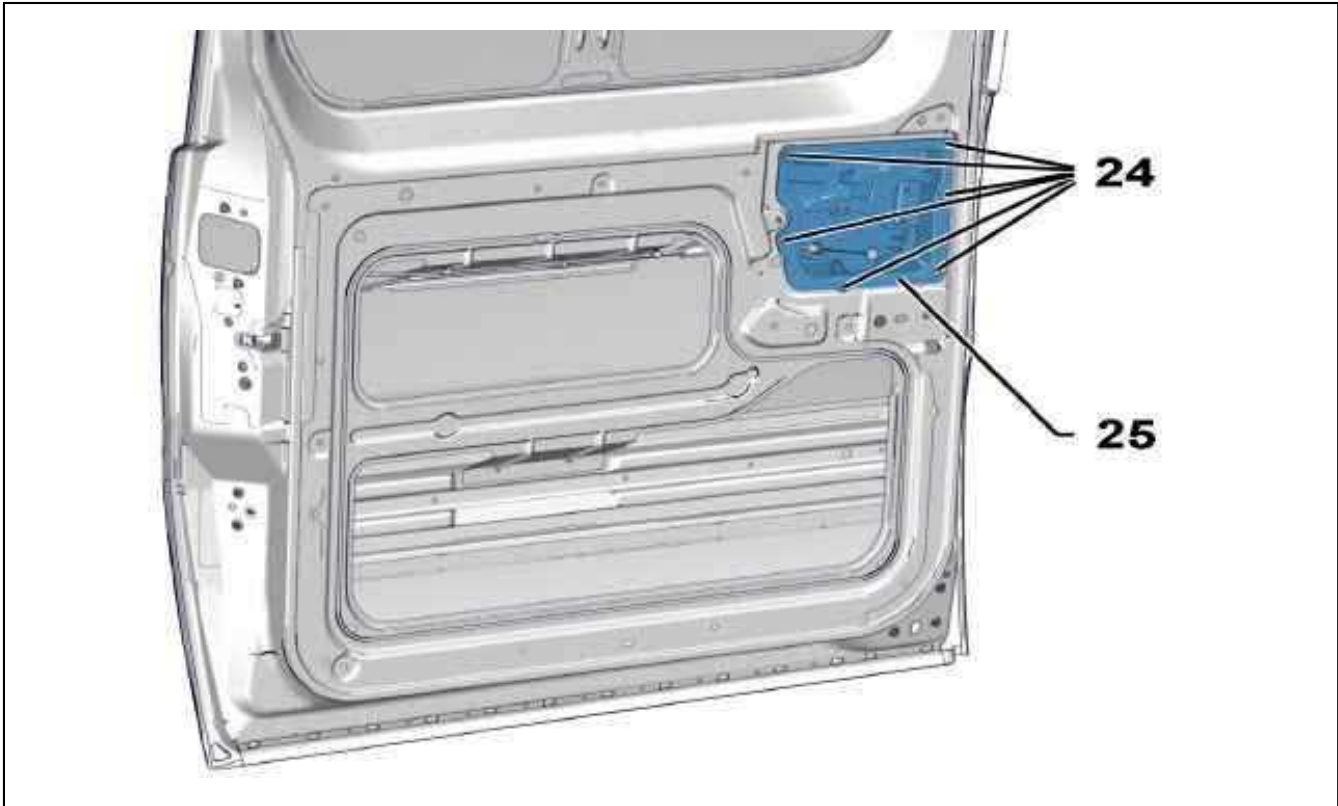


Figure : C4CP2LCD

Drift out the rivet studs before drilling out.
Drill the rivet heads (24) with a 6 mm dia. drill.
Remove the interior handle control support (25).
Drill the bodies of the remaining rivets.

N.B. : Vacuum out the bottom of the door to extract the rivet waste.

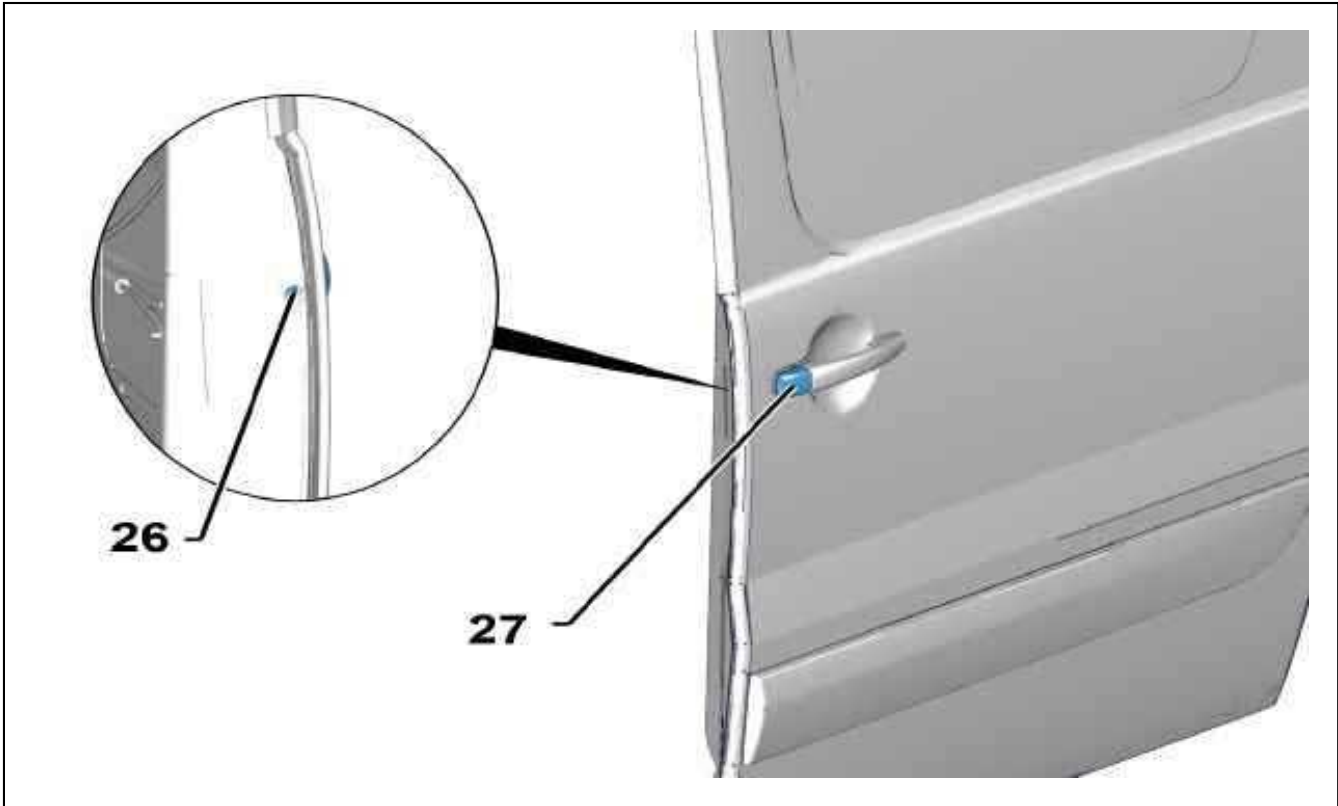


Figure : C4CP2LDD

Slacken the bolt (26).
Unclip the trim (27) ; Using tool [1].
Remove the trim (27).

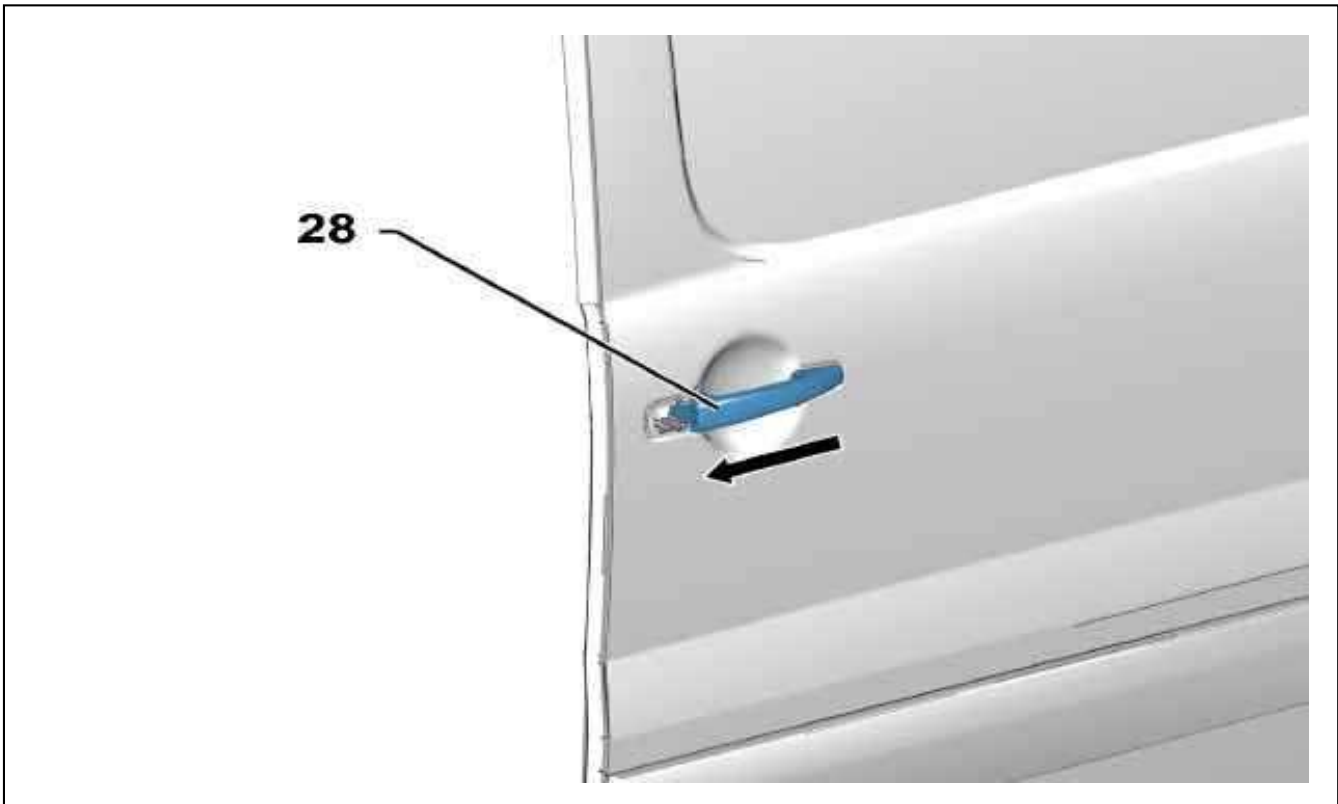


Figure : C4CP2LED

Open the exterior handle (28) fully.

Remove the exterior handle (28) towards the front of the sliding door(following the arrow).

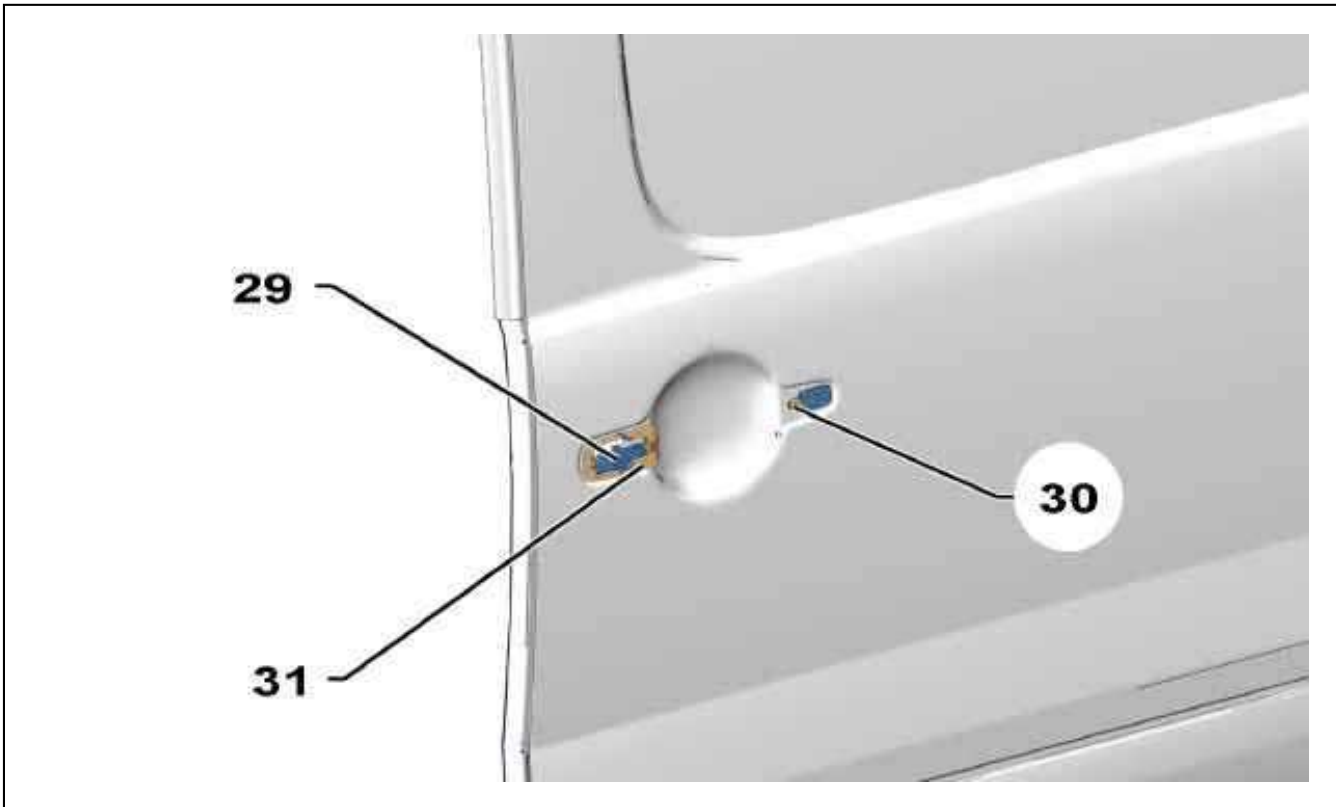


Figure : C4CP2LFD

Remove :

- Seal (31)
- The (30) bolt

Disengage the exterior handle support (29) (Inwards).

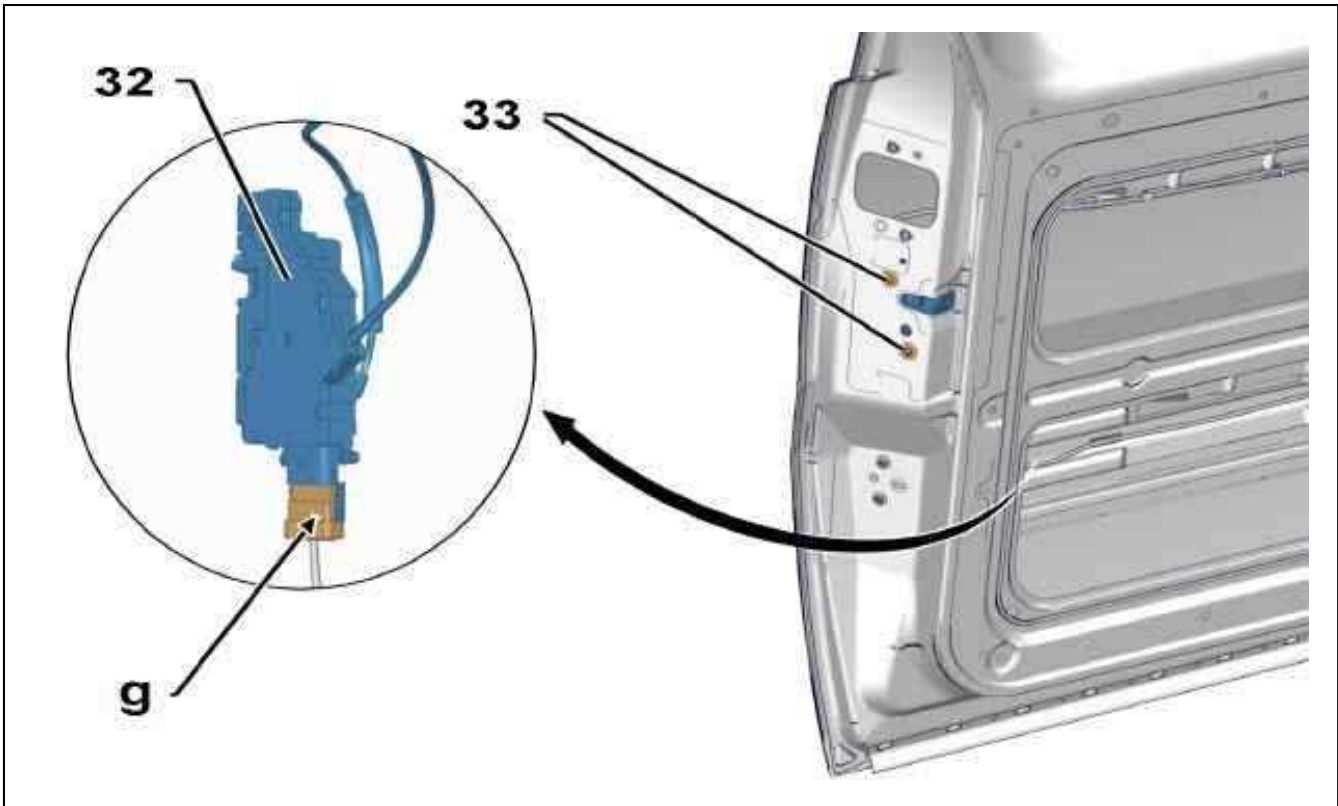


Figure : C4CP2LRD

Remove the bolts (33).
Disengage the lock (32).
Disconnect the connector (at " g").

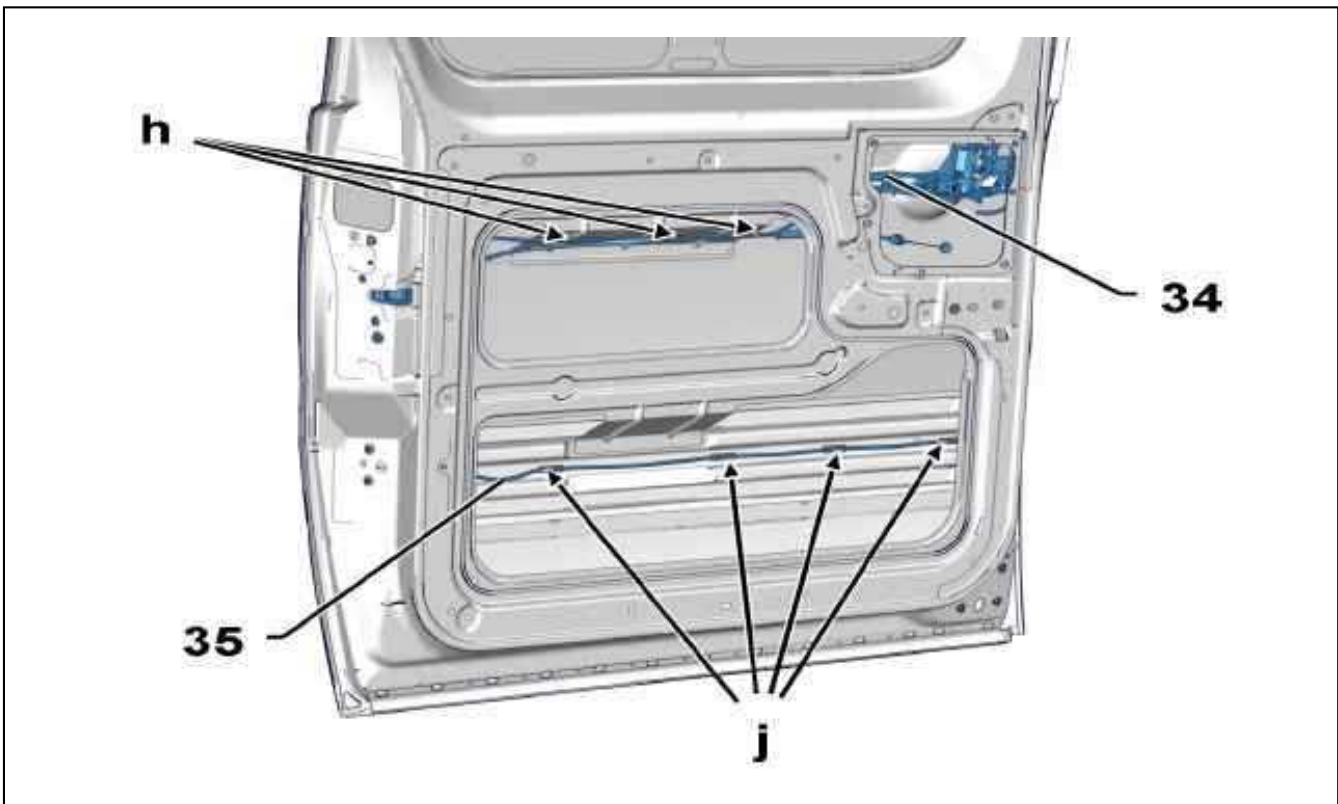


Figure : C4CP2LSD

Unclip the cable guide (at " h") ; Using tool [1].

Remove the lock and interior handle support assembly (34).

Unclip the electrical harness (35)(at " j") ; Using tool [1].

Remove the electric harness (35).

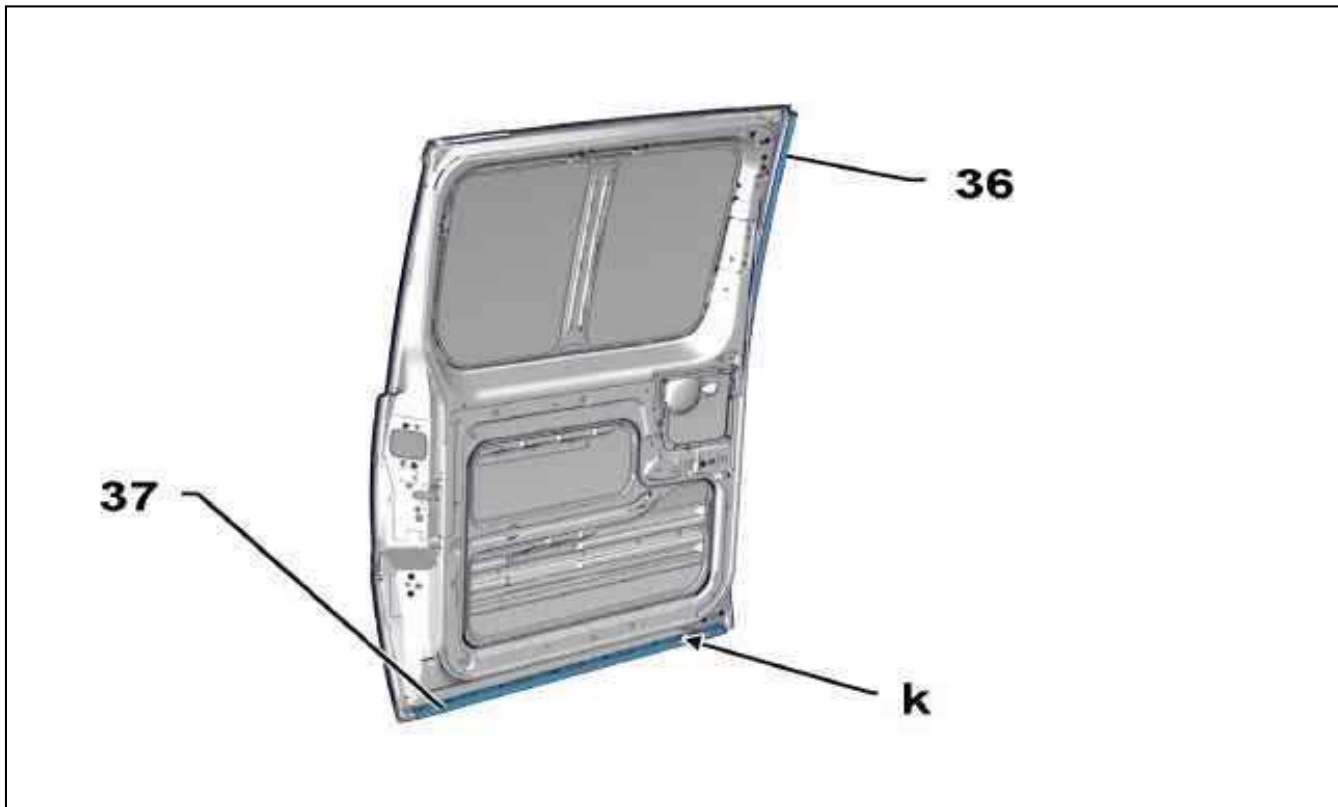


Figure : C4CP2LTD

Unclip the 12 clips(at " k").

N.B. : Prepare for the replacement of the clips (if necessary).

Remove :

- The gutter seal (36)
- Seal (35)

N.B. : According to equipment.

4. Re-assembling

Carry out the re-trim operations in the reverse order to the stripping operations.

CAUTION : Perform the operations to be carried out following reconnection of the battery ⓘ .

Check all the equipment works.

REMOVING - REFITTING : REAR SLIDING SIDE DOOR RAIL (CREW CAB)

ESSENTIAL : Observe the safety and cleanliness recommendations ⓘ .

1. Preliminary operations

Disconnect the battery ⓘ .

Remove :

- The sliding side door ⓘ
- The headlining ⓘ

2. Removing

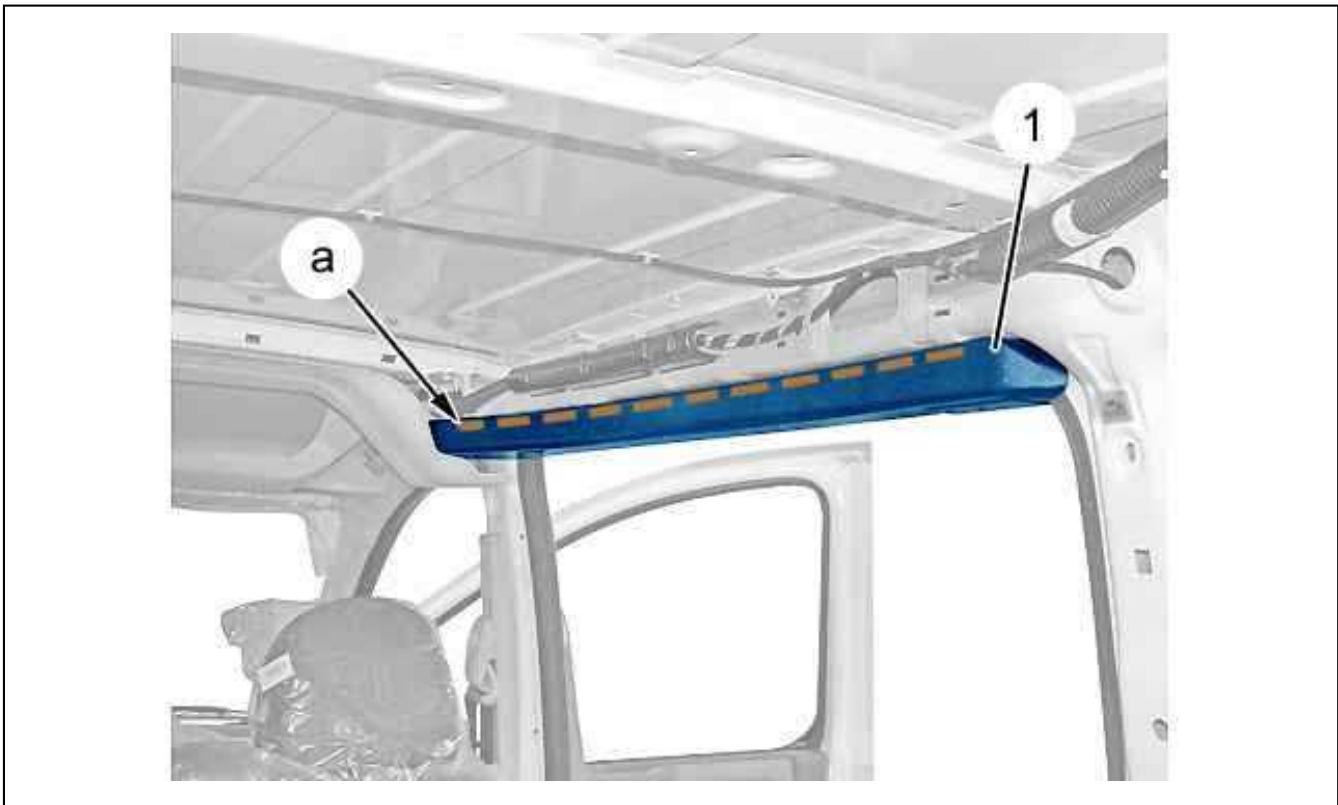


Figure : C5DGYEHD

Detach : The rail trim (1) (at "a").

Remove : The rail trim (1).

Level the bead of adhesive remaining on the vehicle.

Clean the areas where there is adhesive ; Using degreaser index "J1".

N.B. : Replace : The rail trim (1) ; If there is damage.

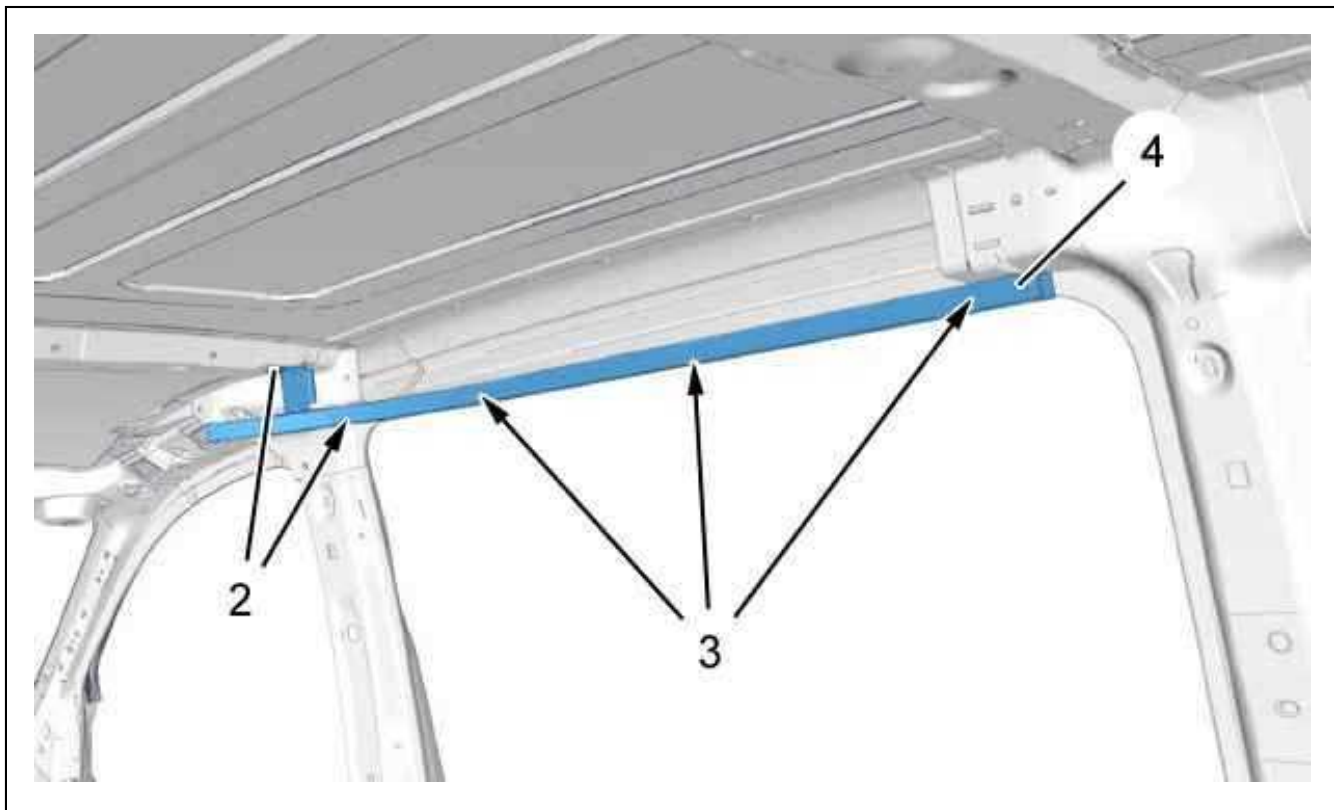


Figure : C5DGYEID

Remove :

- The bolts (2), (3)
- The rail (4)

3. Refitting

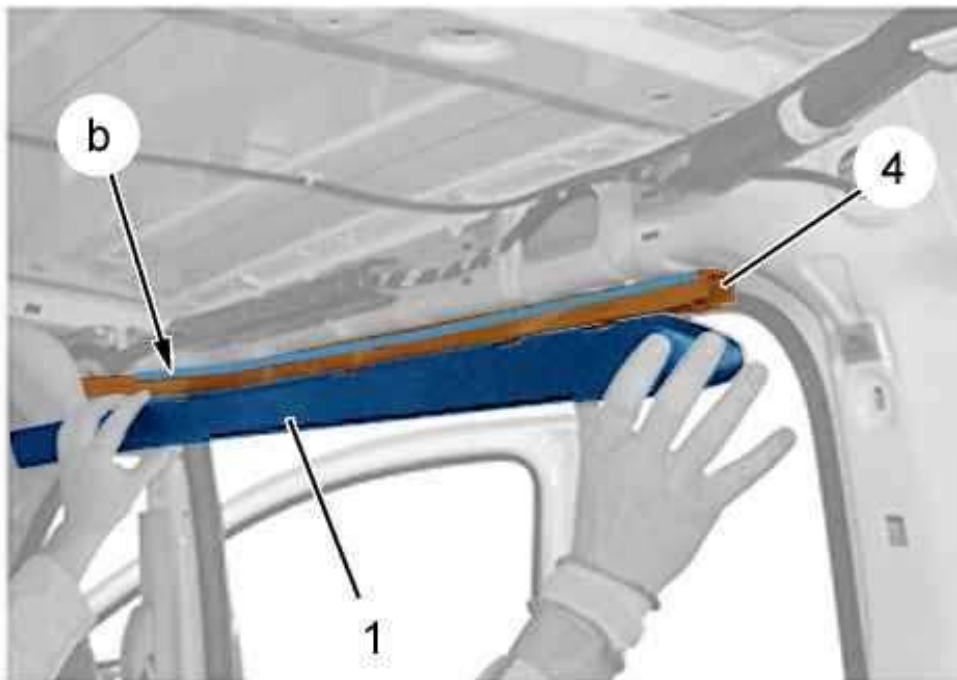


Figure : C5DGYEJD

Refit :

- The rail (4)
- The bolts (2), (3)

Tighten the bolts (2), (3) to 0,8 m.daN .

Apply a bead of adhesive to the rail (4) (at "b").

Clip : The rail (4) trim (1).

Proceed in the reverse order to removal.

CAUTION : Perform the operations to be carried out following reconnection of the battery.

Reconnect the battery.

Check all the equipment works.